

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012325\
 Data File : BF141254.D
 Acq On : 23 Jan 2025 17:07
 Operator : RC/JU
 Sample : Q1156-01MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 281MSD

Quant Time: Jan 23 17:35:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	141500	20.000	ng	-0.02
21) Naphthalene-d8	8.087	136	556176	20.000	ng	-0.02
39) Acenaphthene-d10	9.845	164	293358	20.000	ng	-0.02
64) Phenanthrene-d10	11.333	188	451957	20.000	ng	-0.01
76) Chrysene-d12	13.980	240	285660	20.000	ng	0.00
86) Perylene-d12	15.451	264	333910	20.000	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1105109	120.648	ng	0.00
7) Phenol-d6	6.440	99	1384772	119.349	ng	0.00
23) Nitrobenzene-d5	7.369	82	889136	84.742	ng	-0.02
42) 2,4,6-Tribromophenol	10.639	330	437974	131.027	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	1591510	82.844	ng	-0.01
79) Terphenyl-d14	12.922	244	1308959	68.106	ng	-0.01

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.593	88	171067	41.939	ng	99
3) Pyridine	3.328	79	443761	44.364	ng	95
4) n-Nitrosodimethylamine	3.275	42	227192	46.452	ng	97
6) Aniline	6.469	93	301243	29.243	ng	# 93
8) 2-Chlorophenol	6.587	128	506709	51.561	ng	98
9) Benzaldehyde	6.351	77	53901	7.888	ng	98
10) Phenol	6.451	94	613914	49.428	ng	96
11) bis(2-Chloroethyl)ether	6.540	93	453653	49.011	ng	98
12) 1,3-Dichlorobenzene	6.746	146	524132	47.820	ng	99
13) 1,4-Dichlorobenzene	6.822	146	535136	48.451	ng	99
14) 1,2-Dichlorobenzene	6.975	146	509515	49.455	ng	98
15) Benzyl Alcohol	6.946	79	433503	51.736	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	616086	47.697	ng	95
17) 2-Methylphenol	7.057	107	406512	51.237	ng	99
18) Hexachloroethane	7.316	117	195099	48.846	ng	98
19) n-Nitroso-di-n-propyla...	7.222	70	335237	49.049	ng	96
20) 3+4-Methylphenols	7.210	107	497988	49.751	ng	# 85
22) Acetophenone	7.216	105	652902	49.381	ng	97
24) Nitrobenzene	7.387	77	517175	47.295	ng	98
25) Isophorone	7.628	82	917731	51.182	ng	99
26) 2-Nitrophenol	7.704	139	272419	54.766	ng	99
27) 2,4-Dimethylphenol	7.740	122	404233	60.248	ng	97
28) bis(2-Chloroethoxy)met...	7.840	93	560154	49.778	ng	100
29) 2,4-Dichlorophenol	7.945	162	412965	51.824	ng	100
30) 1,2,4-Trichlorobenzene	8.028	180	441428	48.463	ng	100
31) Naphthalene	8.110	128	1446671	49.323	ng	100
32) Benzoic acid	7.863	122	330413m	51.336	ng	
33) 4-Chloroaniline	8.157	127	155041	15.285	ng	98
34) Hexachlorobutadiene	8.228	225	268318	48.888	ng	99
35) Caprolactam	8.528	113	128576m	49.284	ng	
36) 4-Chloro-3-methylphenol	8.645	107	449681	51.599	ng	100
37) 2-Methylnaphthalene	8.804	142	948541	50.750	ng	100
38) 1-Methylnaphthalene	8.898	142	883011	47.938	ng	99
40) 1,2,4,5-Tetrachloroben...	8.969	216	434715	51.629	ng	99
41) Hexachlorocyclopentadiene	8.957	237	400155	145.262	ng	99
43) 2,4,6-Trichlorophenol	9.081	196	311340	54.826	ng	99

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	301047	50.196	ng	98
46) 1,1'-Biphenyl	9.269	154	1169969	51.355	ng	99
47) 2-Chloronaphthalene	9.292	162	885585	49.908	ng	99
48) 2-Nitroaniline	9.387	65	269870	51.306	ng	99
49) Acenaphthylene	9.710	152	1363720	53.792	ng	100
50) Dimethylphthalate	9.569	163	1045259	53.074	ng	100
51) 2,6-Dinitrotoluene	9.634	165	230203	50.265	ng	98
52) Acenaphthene	9.881	154	997056	56.293	ng	100
53) 3-Nitroaniline	9.798	138	141134	30.325	ng	95
54) 2,4-Dinitrophenol	9.910	184	228957	105.177	ng	95
55) Dibenzofuran	10.051	168	1233310	51.193	ng	99
56) 4-Nitrophenol	9.963	139	375931	103.139	ng	99
57) 2,4-Dinitrotoluene	10.034	165	311408	52.762	ng	99
58) Fluorene	10.398	166	948827	50.694	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	256923	51.538	ng	99
60) Diethylphthalate	10.275	149	999915	52.007	ng	100
61) 4-Chlorophenyl-phenyle...	10.386	204	464956	50.969	ng	98
62) 4-Nitroaniline	10.416	138	214914	47.180	ng	99
63) Azobenzene	10.551	77	1095796	57.760	ng	92
65) 4,6-Dinitro-2-methylph...	10.445	198	154305	58.918	ng	94
66) n-Nitrosodiphenylamine	10.510	169	832185	57.086	ng	99
67) 4-Bromophenyl-phenylether	10.881	248	295295	56.751	ng	98
68) Hexachlorobenzene	10.945	284	322094	55.607	ng	98
69) Atrazine	11.039	200	271352	69.132	ng	99
70) Pentachlorophenol	11.139	266	373845	100.783	ng	100
71) Phenanthrene	11.357	178	1359545	56.031	ng	100
72) Anthracene	11.410	178	1355724	57.463	ng	100
73) Carbazole	11.563	167	1094572	50.596	ng	99
74) Di-n-butylphthalate	11.898	149	1375851	55.573	ng	100
75) Fluoranthene	12.551	202	1982579	81.880	ng	99
77) Benzidine	12.675	184	353490	66.729	ng	99
78) Pyrene	12.780	202	1916765	70.252	ng	99
80) Butylbenzylphthalate	13.398	149	453054	49.804	ng	99
81) Benzo(a)anthracene	13.974	228	1383772	71.179	ng	99
82) 3,3'-Dichlorobenzidine	13.933	252	234906	37.947	ng	99
83) Chrysene	14.010	228	1237704	68.041	ng	100
84) Bis(2-ethylhexyl)phtha...	13.963	149	578338	52.987	ng	99
85) Di-n-octyl phthalate	14.592	149	1056543	64.102	ng	98
87) Indeno(1,2,3-cd)pyrene	16.910	276	1093250	44.690	ng	98
88) Benzo(b)fluoranthene	15.033	252	1281495	59.517	ng	100
89) Benzo(k)fluoranthene	15.063	252	925905	50.885	ng	100
90) Benzo(a)pyrene	15.398	252	1138724	64.100	ng	99
91) Dibenzo(a,h)anthracene	16.933	278	868982	43.919	ng	98
92) Benzo(g,h,i)perylene	17.351	276	775437	37.678	ng	99

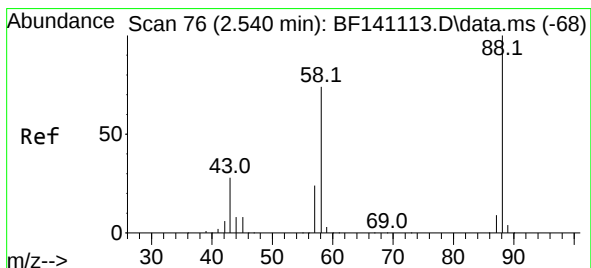
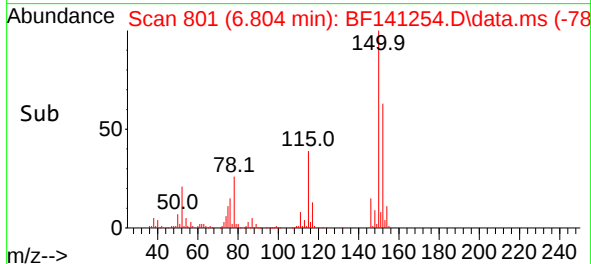
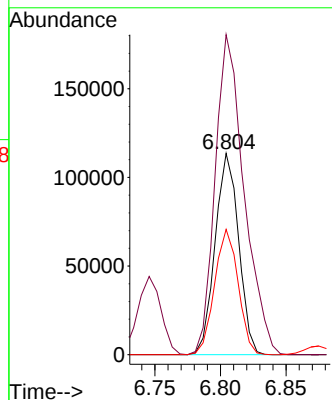
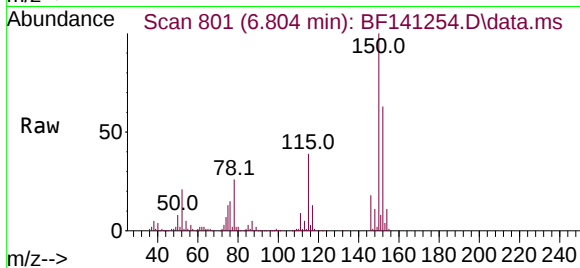
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.804 min Scan# 80
 Delta R.T. -0.018 min
 Lab File: BF141254.D
 Acq: 23 Jan 2025 17:07

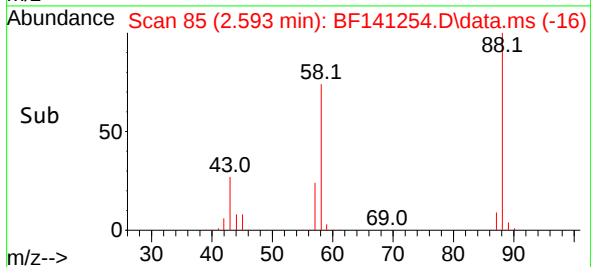
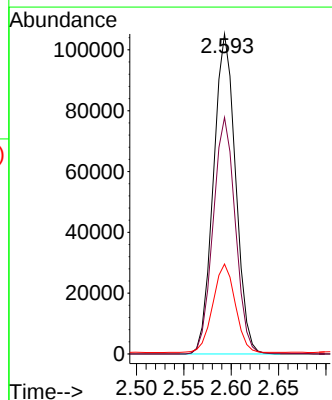
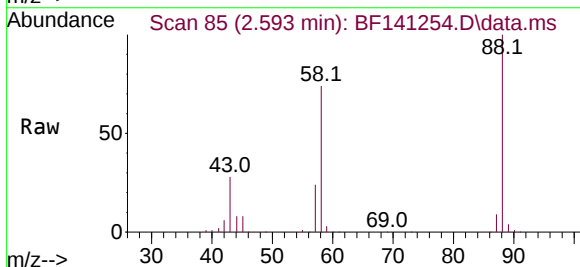
Instrument :
 BNA_F
 ClientSampleId :
 281MSD

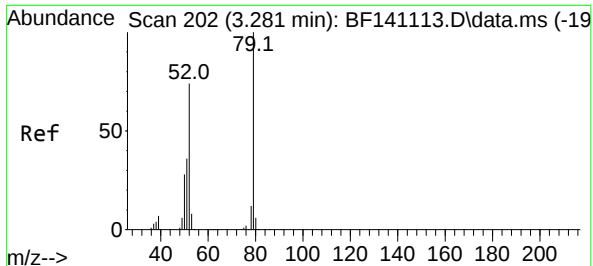
Tgt Ion:152 Resp: 141500
 Ion Ratio Lower Upper
 152 100
 150 159.0 125.8 188.8
 115 62.3 51.4 77.2



#2
 1,4-Dioxane
 Concen: 41.939 ng
 RT: 2.593 min Scan# 85
 Delta R.T. 0.053 min
 Lab File: BF141254.D
 Acq: 23 Jan 2025 17:07

Tgt Ion: 88 Resp: 171067
 Ion Ratio Lower Upper
 88 100
 58 74.5 60.1 90.1
 43 28.0 23.1 34.7

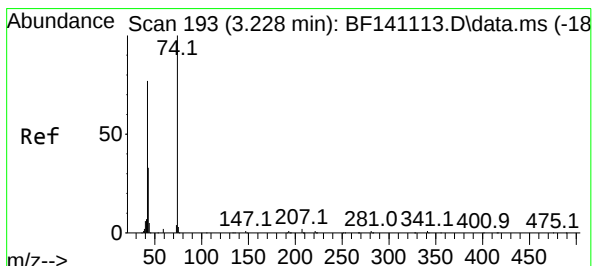
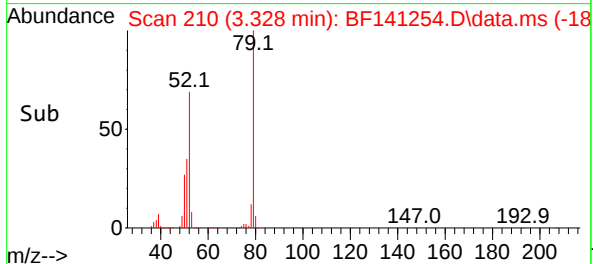
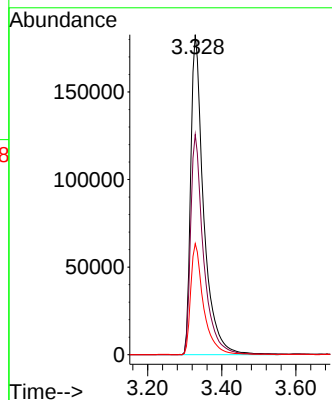
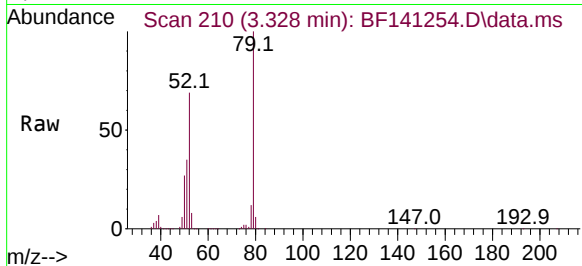




#3
Pyridine
Concen: 44.364 ng
RT: 3.328 min Scan# 21
Delta R.T. 0.047 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

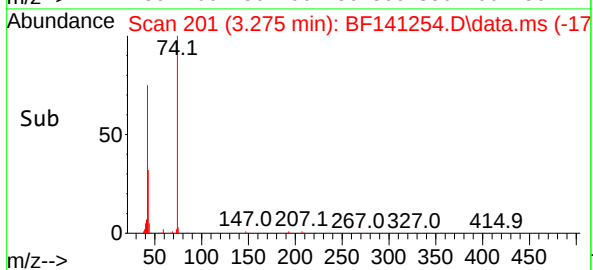
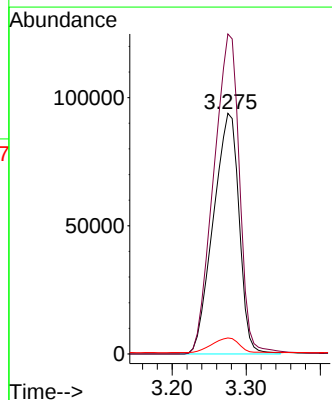
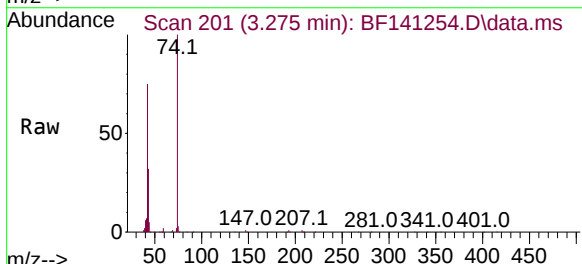
Instrument :
BNA_F
ClientSampleId :
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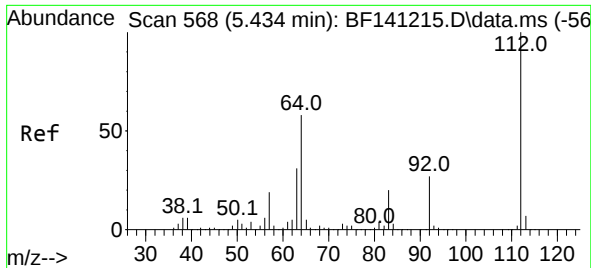
Tgt Ion: 79 Resp: 443761
Ion Ratio Lower Upper
79 100
52 68.8 58.9 88.3
51 34.7 29.1 43.7



#4
n-Nitrosodimethylamine
Concen: 46.452 ng
RT: 3.275 min Scan# 201
Delta R.T. 0.047 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion: 42 Resp: 227192
Ion Ratio Lower Upper
42 100
74 133.0 103.8 155.6
44 6.7 5.3 7.9

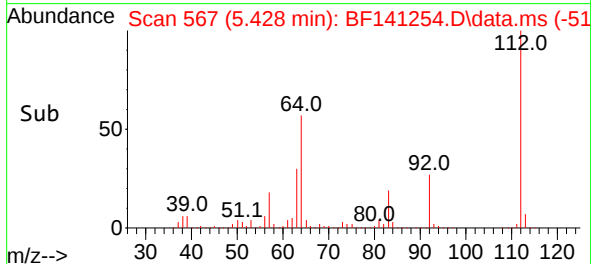
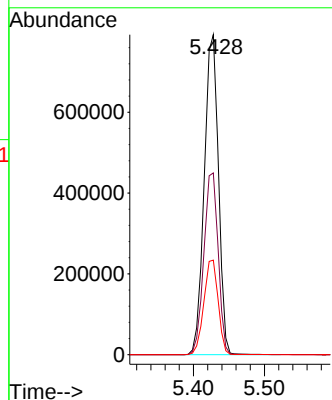
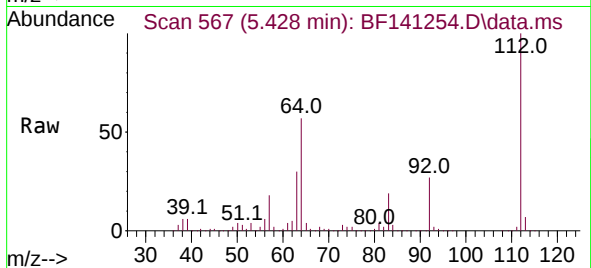




#5
2-Fluorophenol
Concen: 120.648 ng
RT: 5.428 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

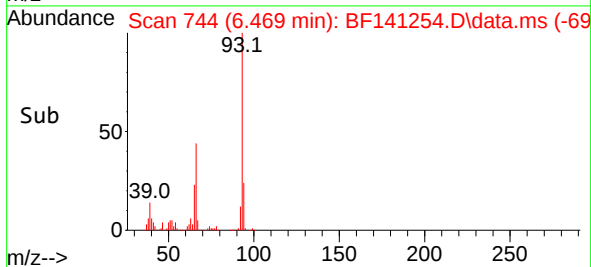
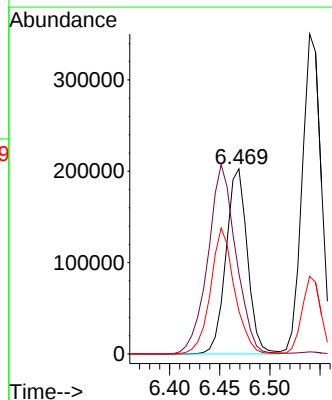
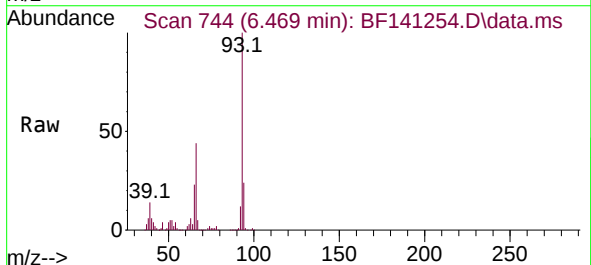
Instrument :
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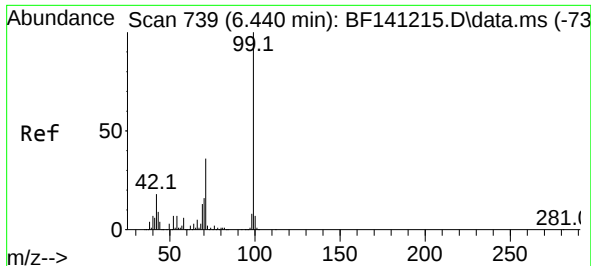
Tgt Ion:112 Resp: 1105109
Ion Ratio Lower Upper
112 100
64 56.8 47.3 70.9
63 29.6 24.2 36.2



#6
Aniline
Concen: 29.243 ng
RT: 6.469 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion: 93 Resp: 301243
Ion Ratio Lower Upper
93 100
66 43.5 31.5 47.3
65 23.2 15.3 22.9#





#7
Phenol-d6
Concen: 119.349 ng
RT: 6.440 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Instrument :

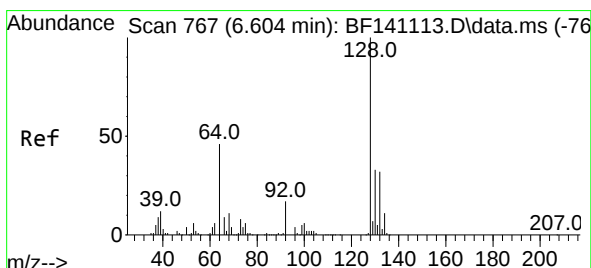
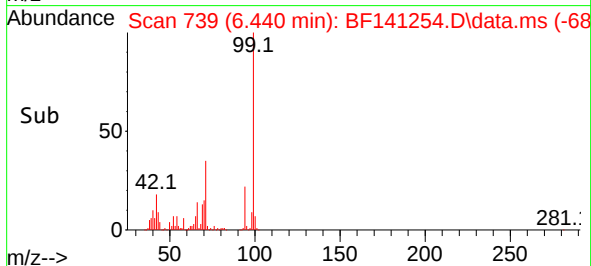
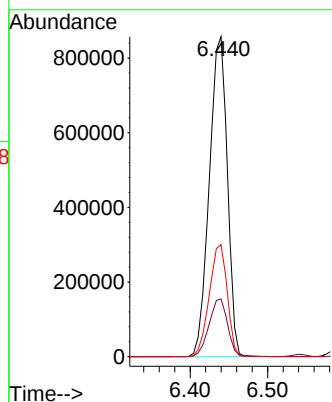
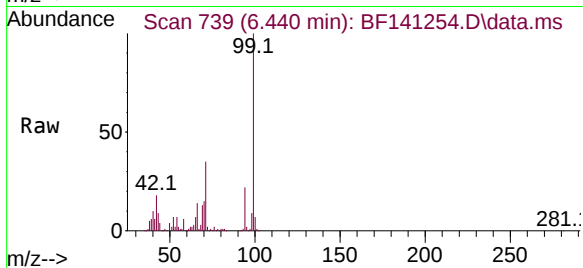
BNA_F

ClientSampleId :

281MSD

Tgt Ion: 99 Resp: 1384772

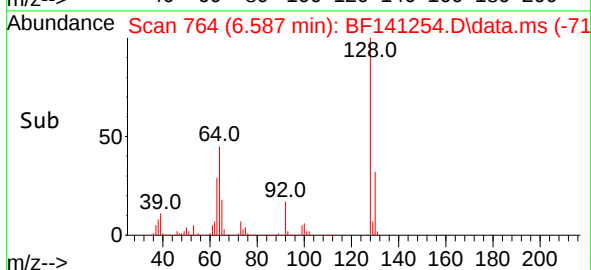
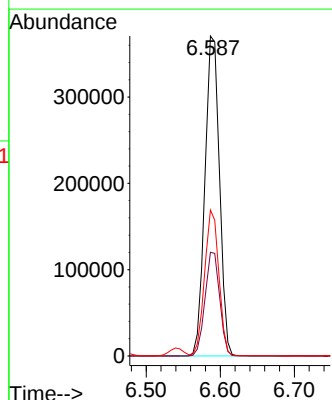
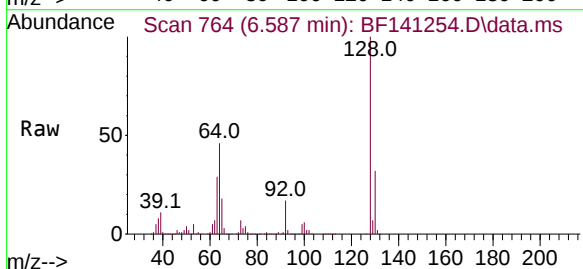
Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.0	22.4
71	35.1	27.6	41.4



#8
2-Chlorophenol
Concen: 51.561 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.018 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion: 128 Resp: 506709

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.5	52.5
64	45.6	28.3	68.3

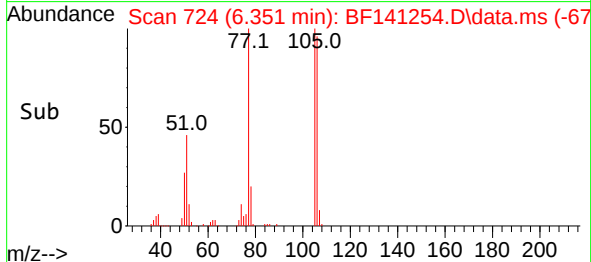
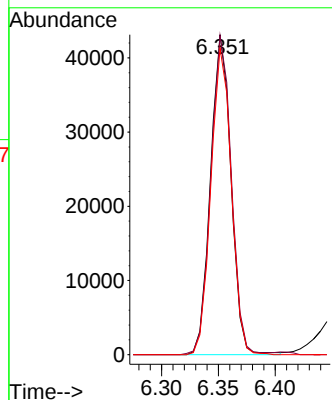
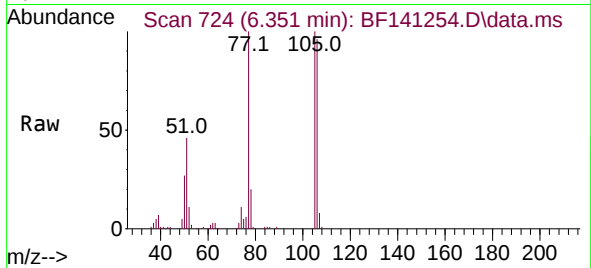




#9
Benzaldehyde
Concen: 7.888 ng
RT: 6.351 min Scan# 710
Delta R.T. -0.018 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

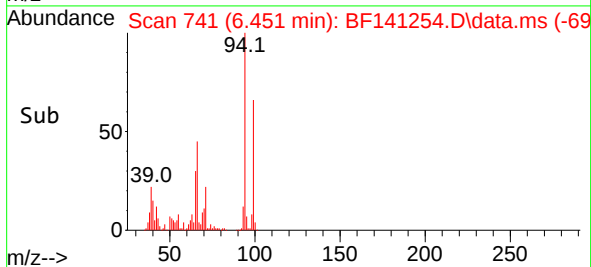
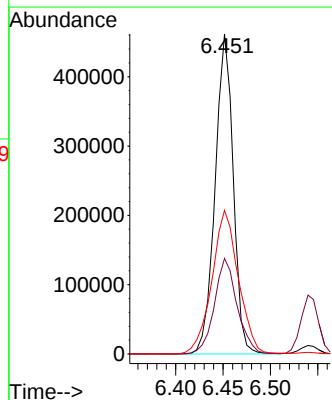
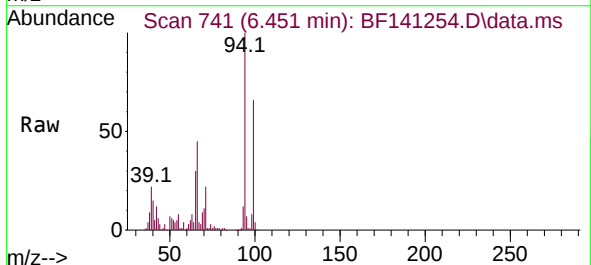
Instrument :
BNA_F
ClientSampleId :
281MSD

Tgt Ion: 77 Resp: 53901
Ion Ratio Lower Upper
77 100
105 99.7 78.9 118.9
106 95.8 73.6 113.6



#10
Phenol
Concen: 49.428 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion: 94 Resp: 613914
Ion Ratio Lower Upper
94 100
65 29.8 8.9 48.9
66 44.9 21.2 61.2





#11

bis(2-Chloroethyl)ether

Concen: 49.011 ng

RT: 6.540 min Scan# 710

Delta R.T. -0.018 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Instrument :

BNA_F

ClientSampleId :

281MSD

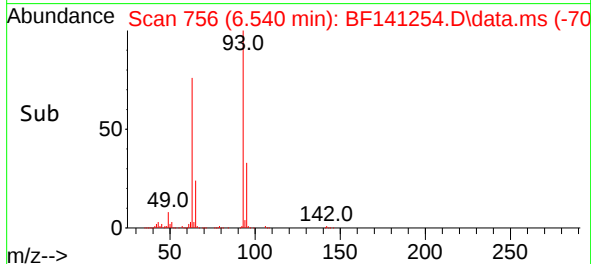
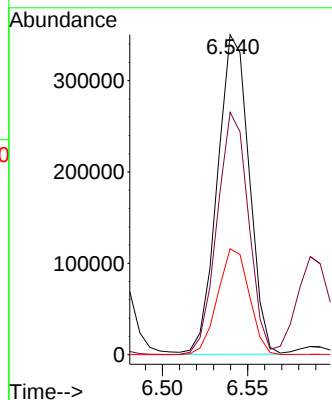
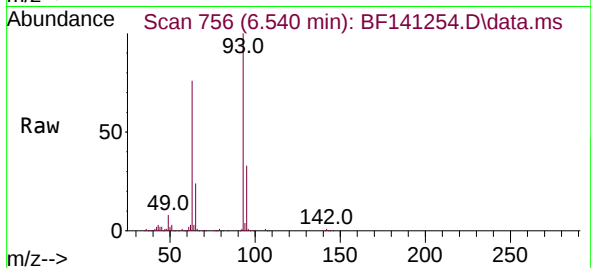
Tgt Ion: 93 Resp: 453653

Ion Ratio Lower Upper

93 100

63 75.7 58.0 98.0

95 33.1 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 47.820 ng

RT: 6.746 min Scan# 791

Delta R.T. -0.018 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

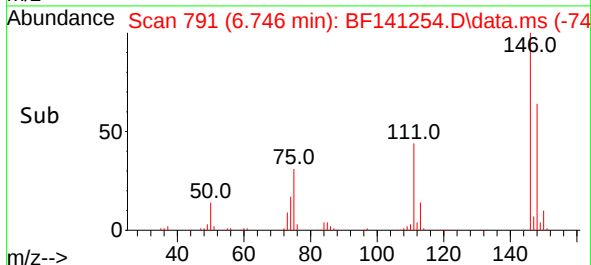
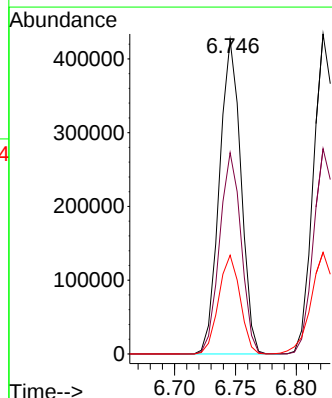
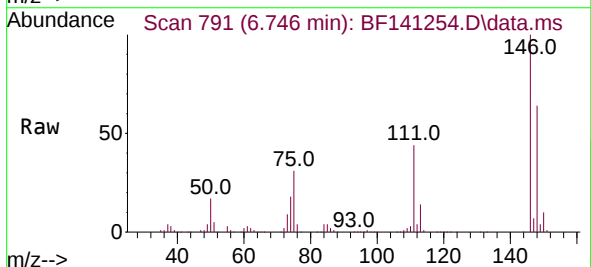
Tgt Ion:146 Resp: 524132

Ion Ratio Lower Upper

146 100

148 64.1 51.6 77.4

75 31.4 26.2 39.2

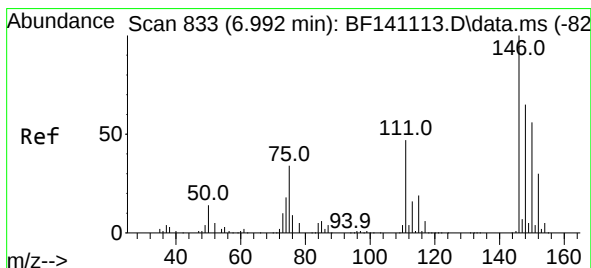
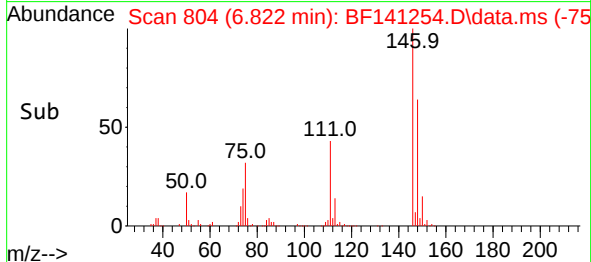
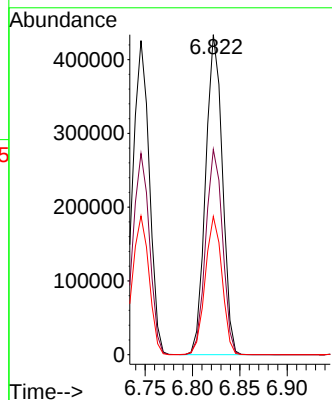
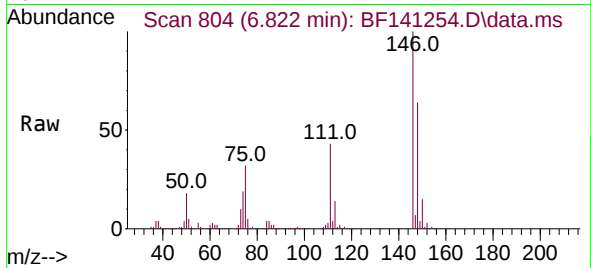




#13
1,4-Dichlorobenzene
Concen: 48.451 ng
RT: 6.822 min Scan# 804
Delta R.T. -0.018 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

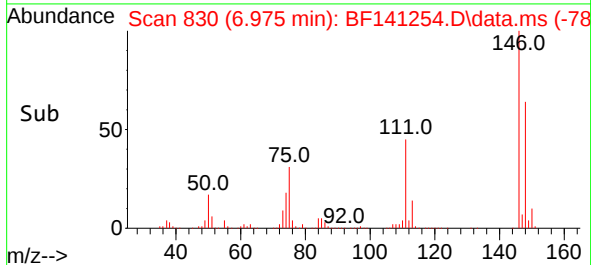
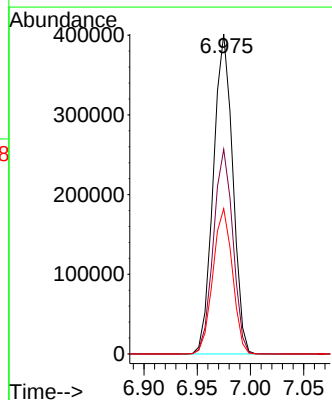
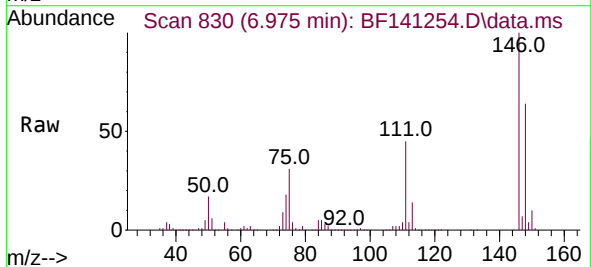
Instrument :
BNA_F
ClientSampleId :
281MSD

Tgt Ion:146 Resp: 535136
Ion Ratio Lower Upper
146 100
148 64.1 51.0 76.6
111 43.2 34.9 52.3



#14
1,2-Dichlorobenzene
Concen: 49.455 ng
RT: 6.975 min Scan# 830
Delta R.T. -0.018 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion:146 Resp: 509515
Ion Ratio Lower Upper
146 100
148 63.9 52.2 78.4
111 45.4 37.5 56.3

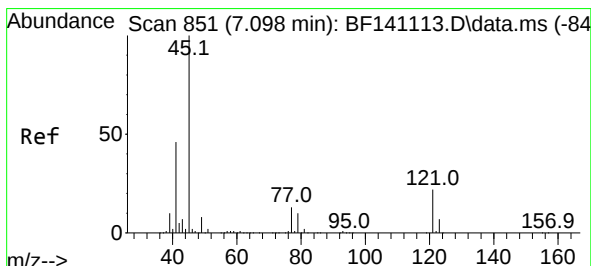
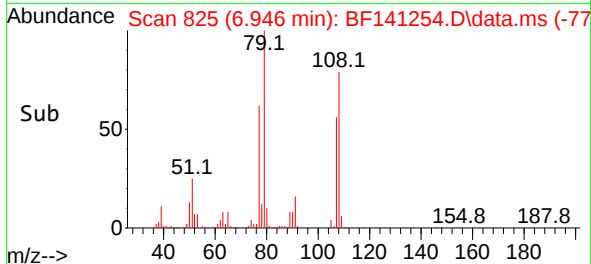
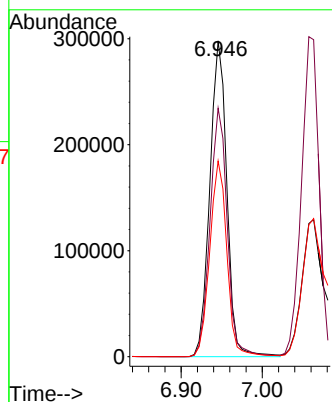
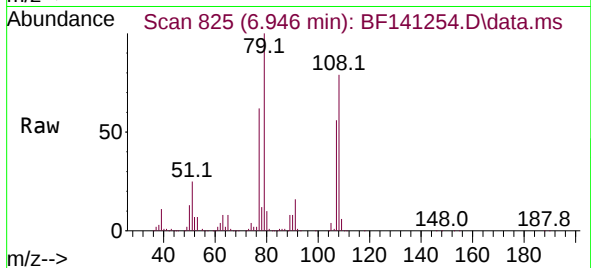




#15
Benzyl Alcohol
Concen: 51.736 ng
RT: 6.946 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

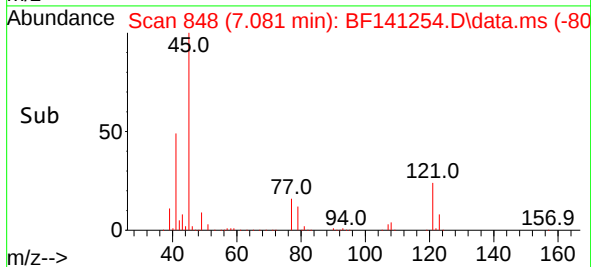
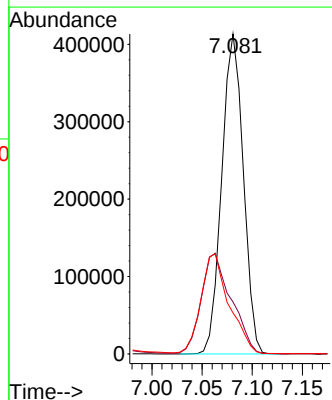
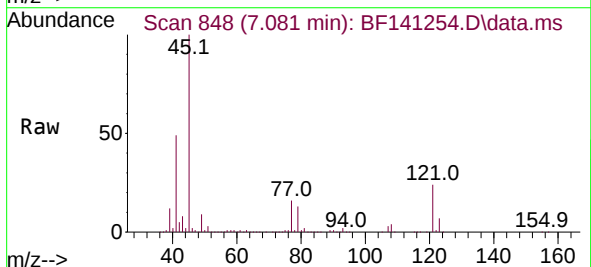
Instrument :
BNA_F
ClientSampleId :
281MSD

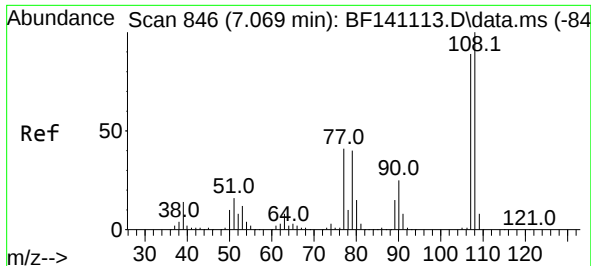
Tgt Ion: 79 Resp: 433503
Ion Ratio Lower Upper
79 100
108 78.7 61.4 92.0
77 62.0 49.8 74.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.697 ng
RT: 7.081 min Scan# 848
Delta R.T. -0.018 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

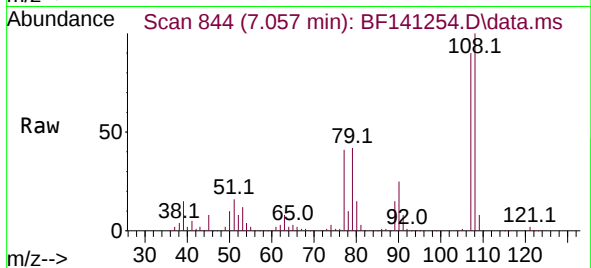
Tgt Ion: 45 Resp: 616086
Ion Ratio Lower Upper
45 100
77 16.2 0.0 34.1
79 12.9 0.0 31.0



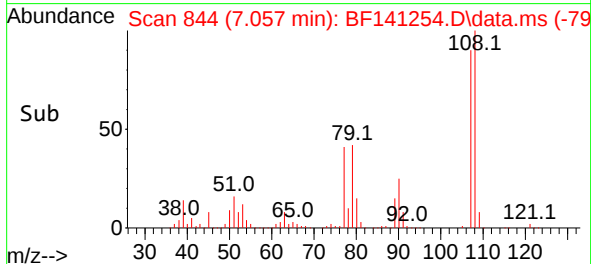
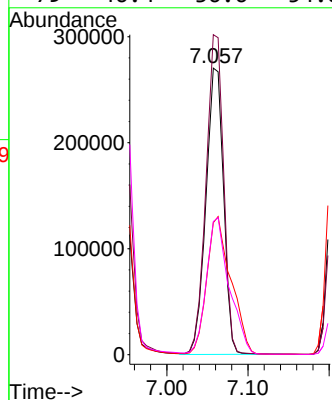


#17
2-Methylphenol
Concen: 51.237 ng
RT: 7.057 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Instrument :
BNA_F
ClientSampleId :
281MSD

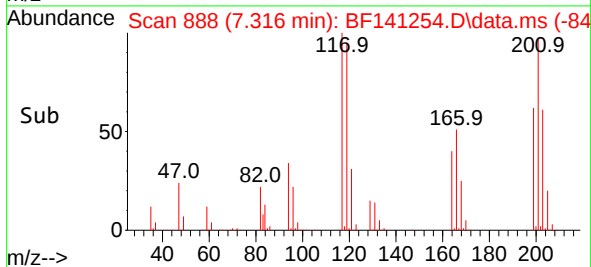
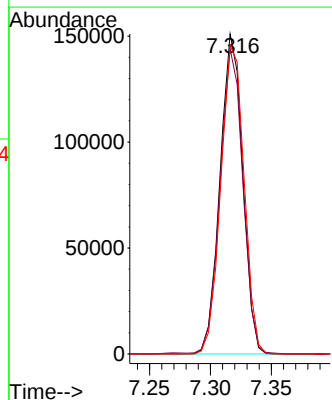
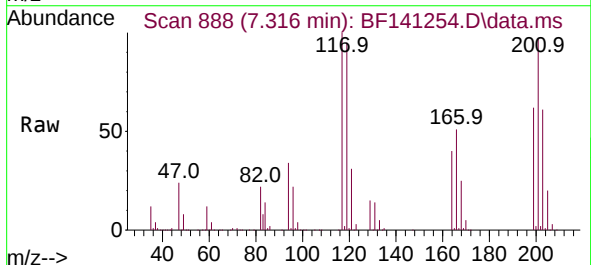


Tgt Ion:107 Resp: 406512
Ion Ratio Lower Upper
107 100
108 111.7 90.1 135.1
77 46.1 36.6 55.0
79 46.4 36.6 54.8



#18
Hexachloroethane
Concen: 48.846 ng
RT: 7.316 min Scan# 888
Delta R.T. -0.018 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion:117 Resp: 195099
Ion Ratio Lower Upper
117 100
119 95.3 77.6 116.4
201 96.6 75.1 112.7



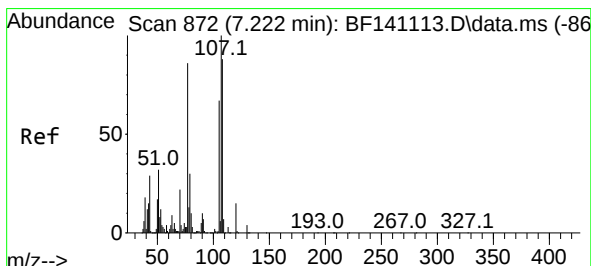
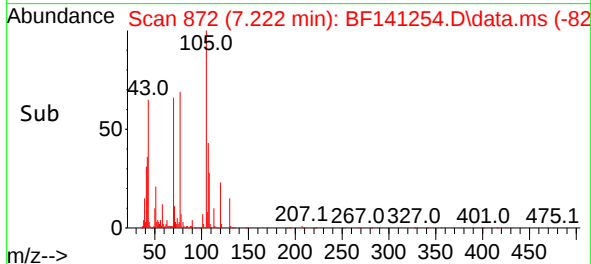
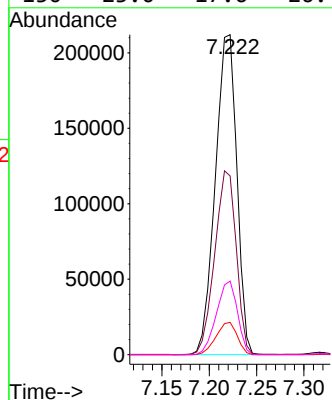
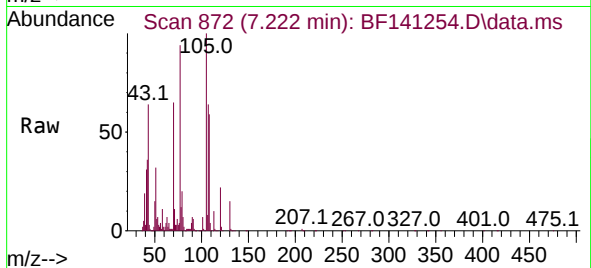


#19
n-Nitroso-di-n-propylamine
Concen: 49.049 ng
RT: 7.222 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Instrument :
BNA_F
ClientSampleId :
281MSD

Tgt Ion: 70 Resp: 335237

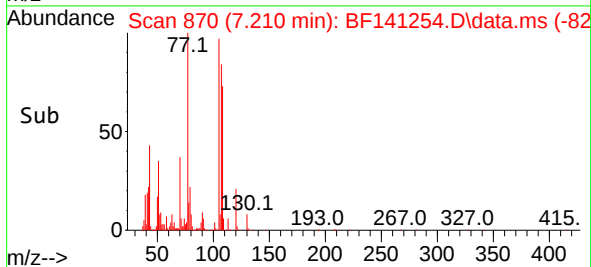
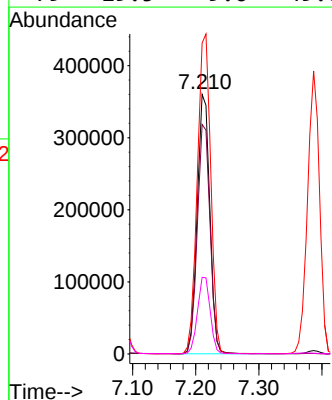
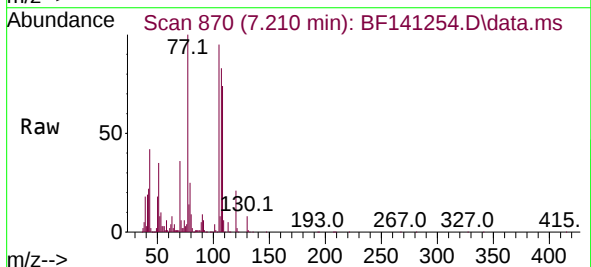
Ion	Ratio	Lower	Upper
70	100		
42	55.8	47.8	71.6
101	10.1	7.9	11.9
130	23.0	17.6	26.4

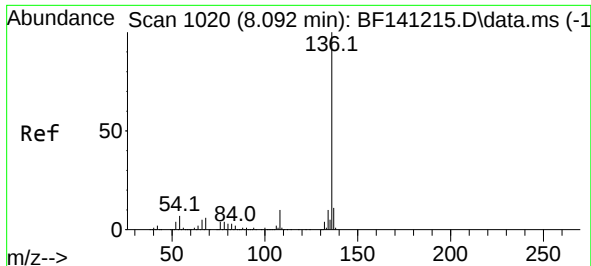


#20
3+4-Methylphenols
Concen: 49.751 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion: 107 Resp: 497988

Ion	Ratio	Lower	Upper
107	100		
108	88.4	68.3	108.3
77	119.8	66.4	106.4#
79	29.5	9.6	49.6

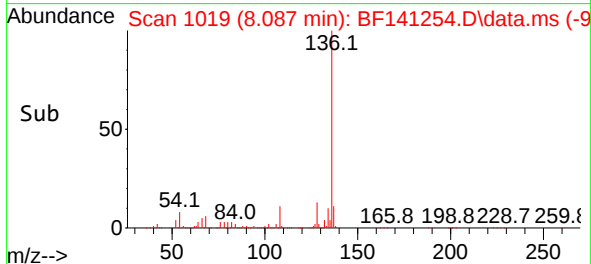
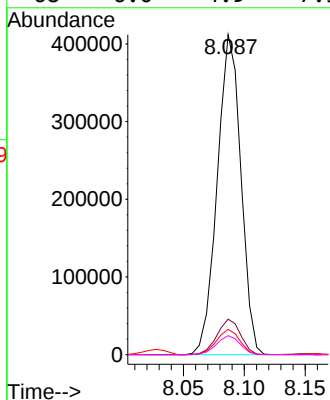
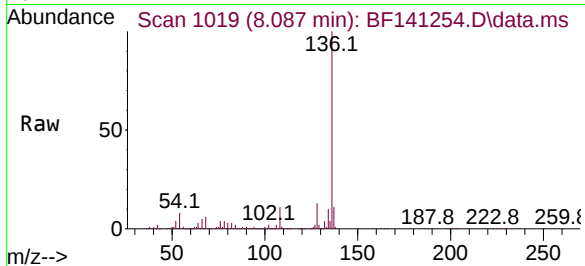




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1019
Delta R.T. -0.018 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

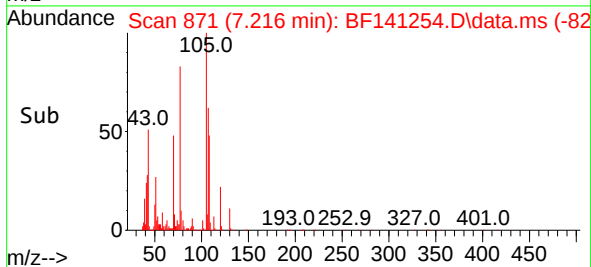
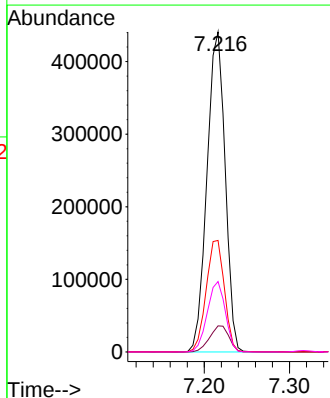
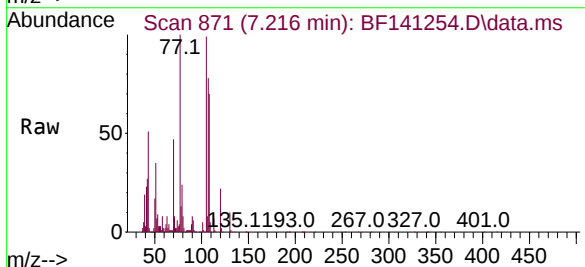
Instrument :
BNA_F
ClientSampleId :
281MSD

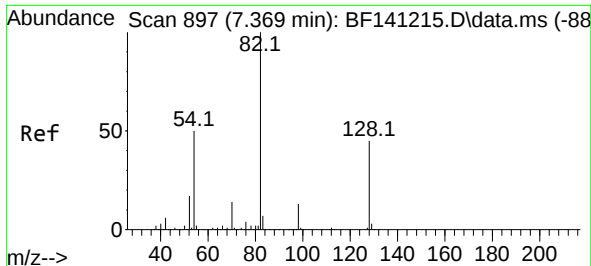
Tgt Ion:	136	Resp:	556176
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	7.9	6.3	9.5
68	6.0	4.9	7.3



#22
Acetophenone
Concen: 49.381 ng
RT: 7.216 min Scan# 871
Delta R.T. -0.018 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion:	105	Resp:	652902
Ion Ratio	Lower	Upper	
105	100		
71	8.1	7.1	10.7
51	34.8	25.4	38.2
120	22.0	18.0	27.0





#23

Nitrobenzene-d5

Concen: 84.742 ng

RT: 7.369 min Scan# 897

Delta R.T. -0.018 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Instrument :

BNA_F

ClientSampleId :

281MSD

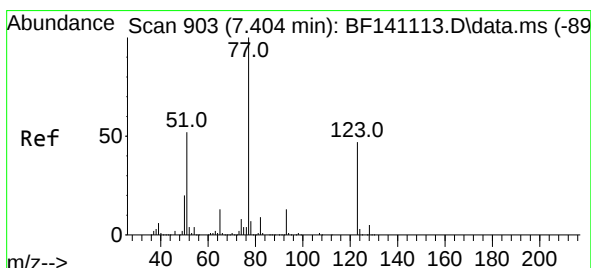
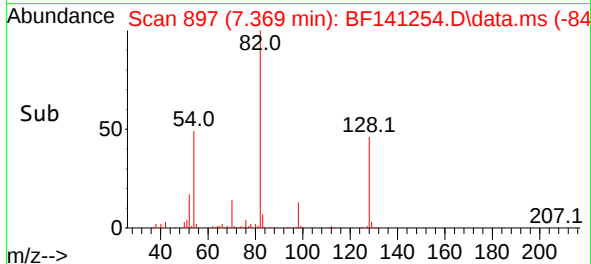
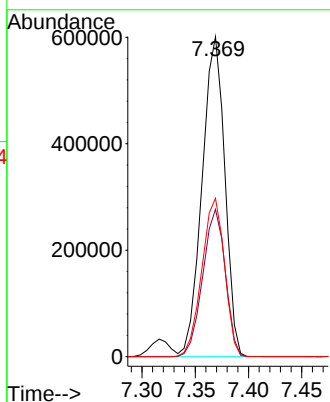
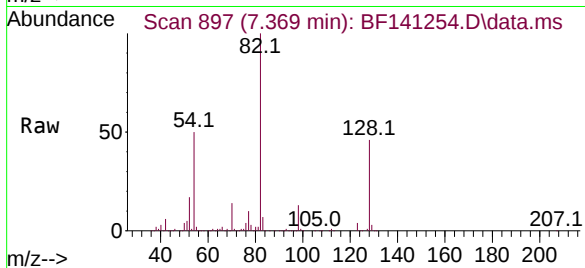
Tgt Ion: 82 Resp: 889136

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

54 49.5 41.0 61.4



#24

Nitrobenzene

Concen: 47.295 ng

RT: 7.387 min Scan# 900

Delta R.T. -0.018 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

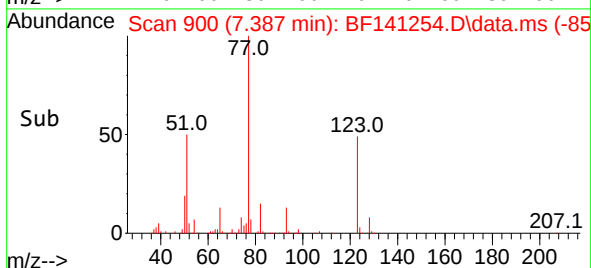
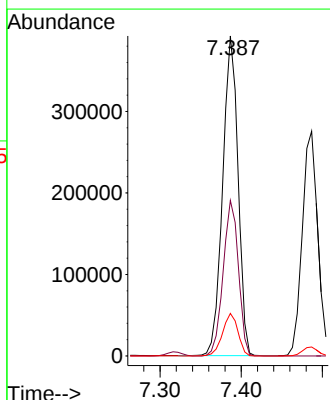
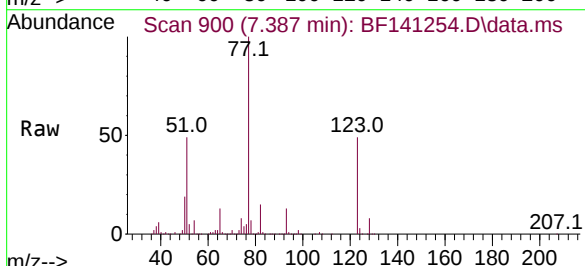
Tgt Ion: 77 Resp: 517175

Ion Ratio Lower Upper

77 100

123 48.6 37.7 56.5

65 13.3 10.6 16.0

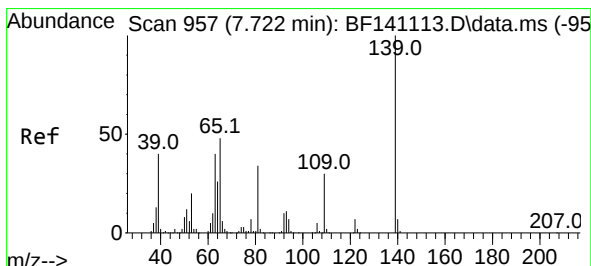
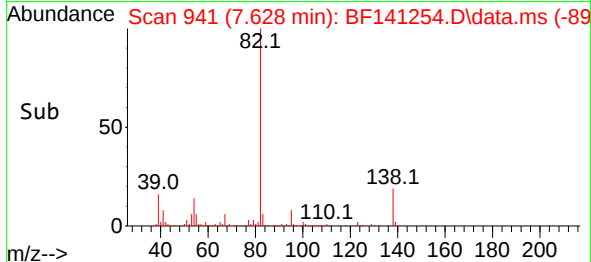
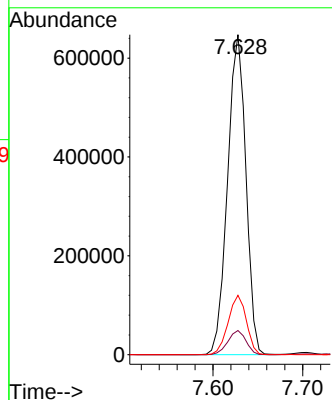
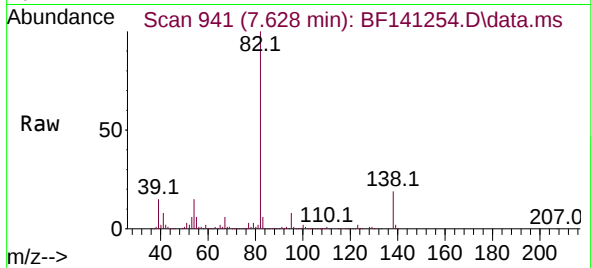




#25
Isophorone
Concen: 51.182 ng
RT: 7.628 min Scan# 941
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

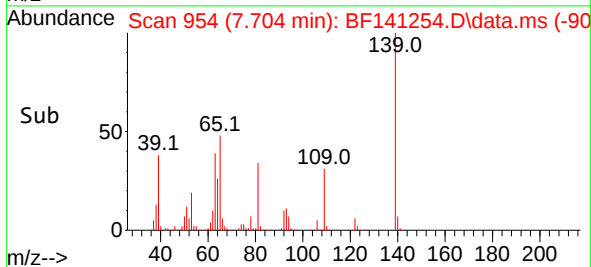
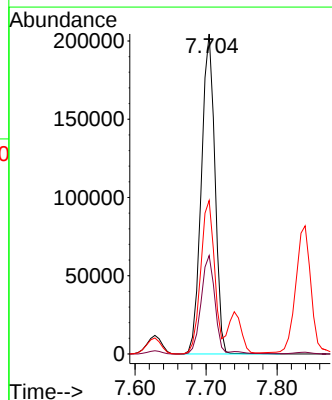
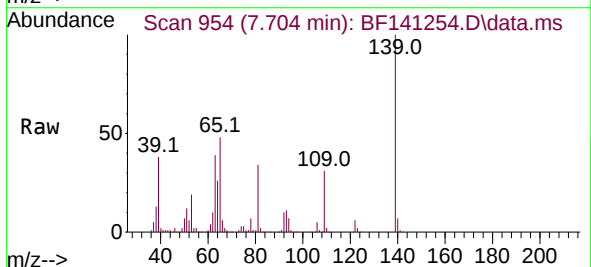
Instrument :
BNA_F
ClientSampleId :
281MSD

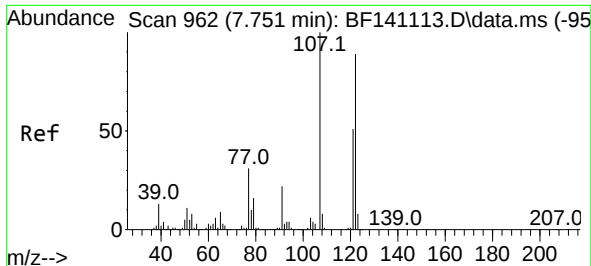
Tgt Ion: 82 Resp: 917731
Ion Ratio Lower Upper
82 100
95 7.6 5.9 8.9
138 18.5 14.2 21.2



#26
2-Nitrophenol
Concen: 54.766 ng
RT: 7.704 min Scan# 954
Delta R.T. -0.018 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion: 139 Resp: 272419
Ion Ratio Lower Upper
139 100
109 30.8 23.8 35.6
65 47.9 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 60.248 ng

RT: 7.740 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Instrument :

BNA_F

ClientSampleId :

281MSD

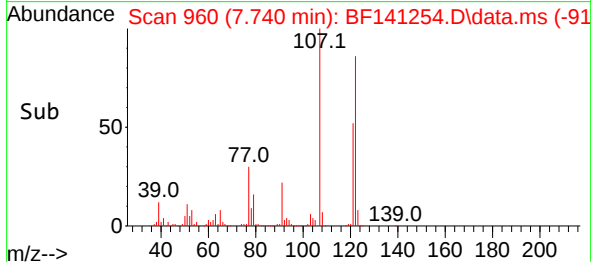
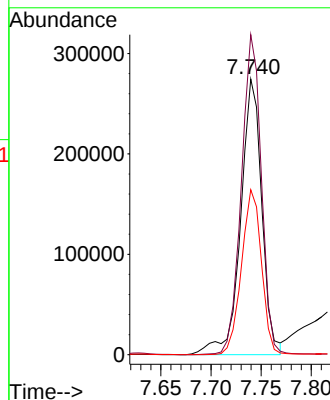
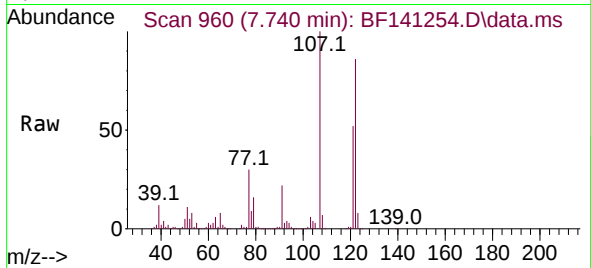
Tgt Ion:122 Resp: 404233

Ion Ratio Lower Upper

122 100

107 116.1 90.3 135.5

121 59.8 46.5 69.7



#28

bis(2-Chloroethoxy)methane

Concen: 49.778 ng

RT: 7.840 min Scan# 977

Delta R.T. -0.012 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

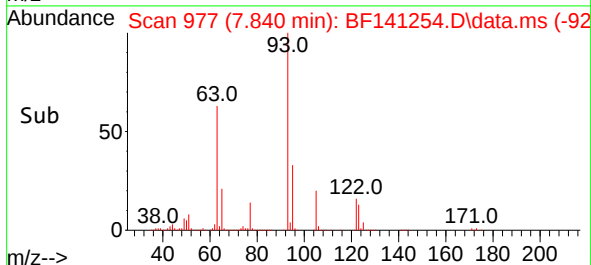
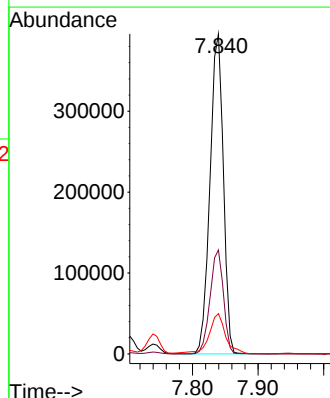
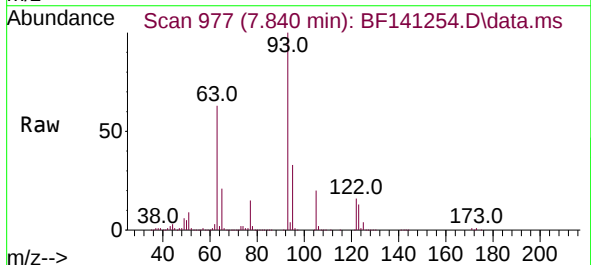
Tgt Ion: 93 Resp: 560154

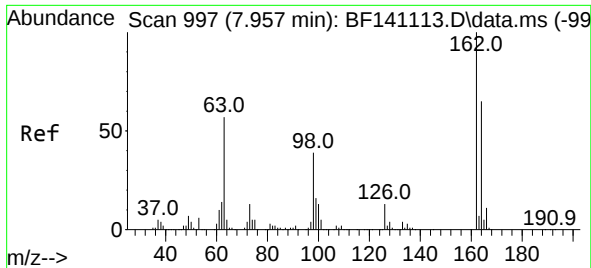
Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.4

123 12.6 10.1 15.1





#29

2,4-Dichlorophenol

Concen: 51.824 ng

RT: 7.945 min Scan# 99

Delta R.T. -0.012 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Instrument :

BNA_F

ClientSampleId :

281MSD

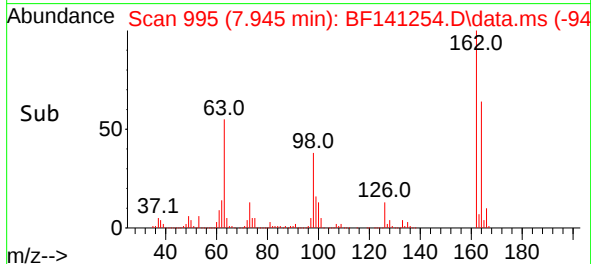
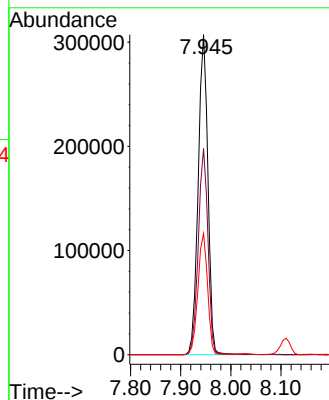
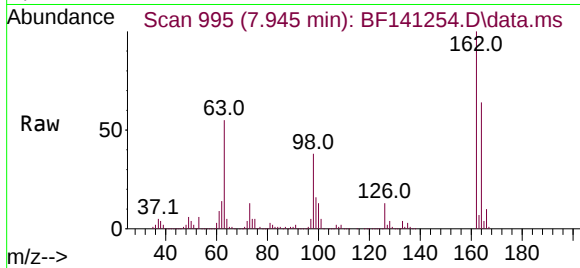
Tgt Ion:162 Resp: 412965

Ion Ratio Lower Upper

162 100

164 64.4 44.5 84.5

98 37.9 18.5 58.5



#30

1,2,4-Trichlorobenzene

Concen: 48.463 ng

RT: 8.028 min Scan# 1009

Delta R.T. -0.018 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

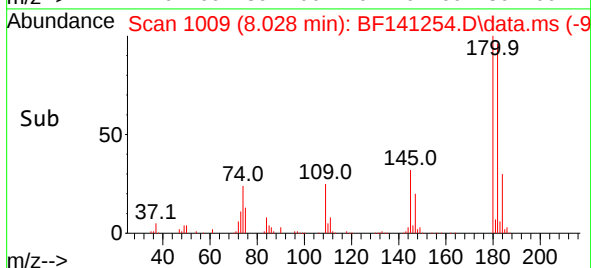
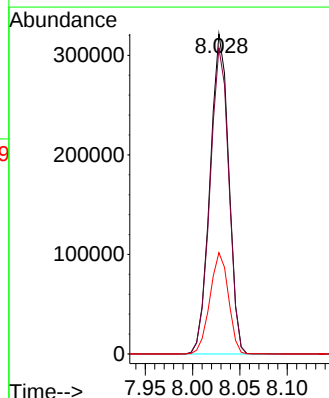
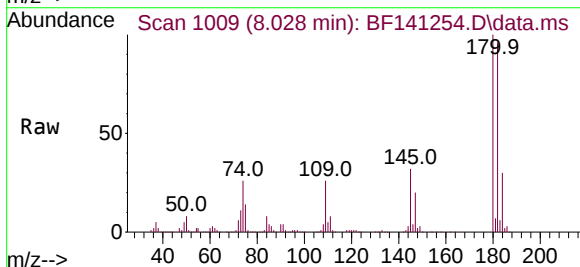
Tgt Ion:180 Resp: 441428

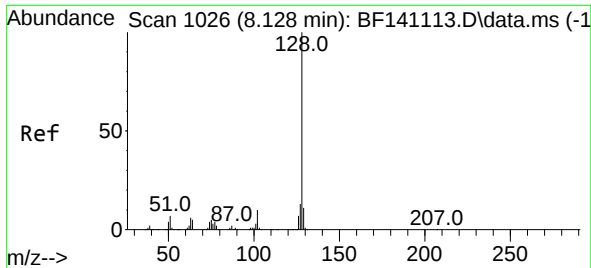
Ion Ratio Lower Upper

180 100

182 95.6 76.2 114.2

145 31.6 25.3 37.9

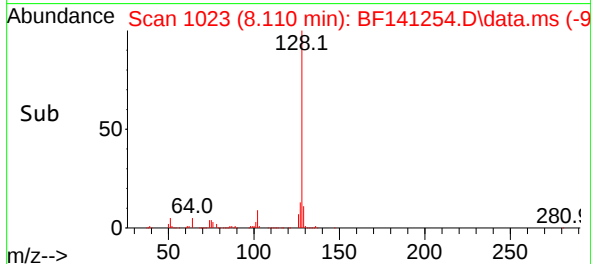
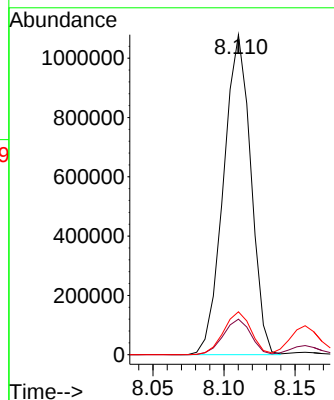
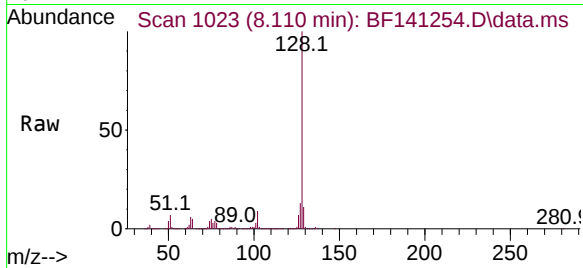




#31
Naphthalene
Concen: 49.323 ng
RT: 8.110 min Scan# 1026
Delta R.T. -0.018 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

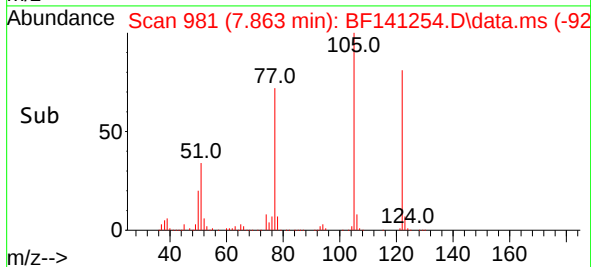
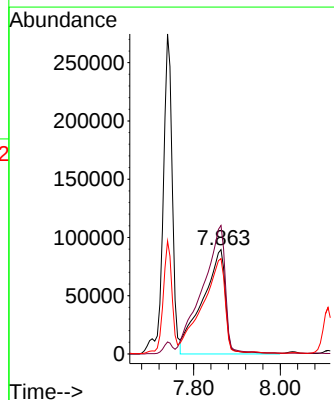
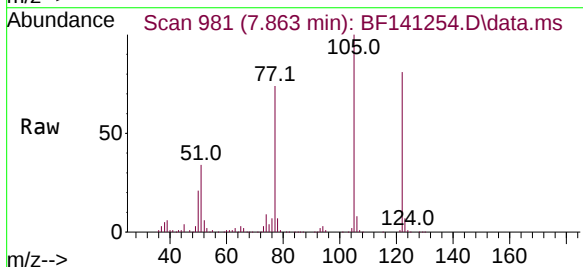
Instrument :
BNA_F
ClientSampleId :
281MSD

Tgt Ion:128 Resp: 1446671
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.4 10.8 16.2



#32
Benzoic acid
Concen: 51.336 ng m
RT: 7.863 min Scan# 981
Delta R.T. 0.006 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion:122 Resp: 330413
Ion Ratio Lower Upper
122 100
105 123.2 105.5 145.5
77 91.3 75.1 115.1





#33

4-Chloroaniline

Concen: 15.285 ng

RT: 8.157 min Scan# 1031

Delta R.T. -0.018 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Instrument :

BNA_F

ClientSampleId :

281MSD

Tgt Ion:127 Resp: 155041

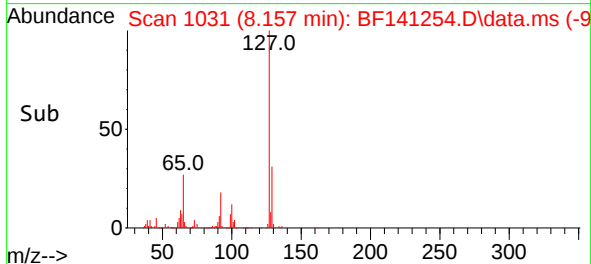
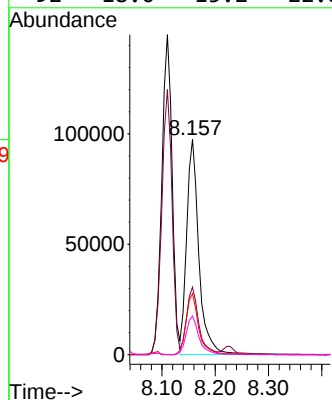
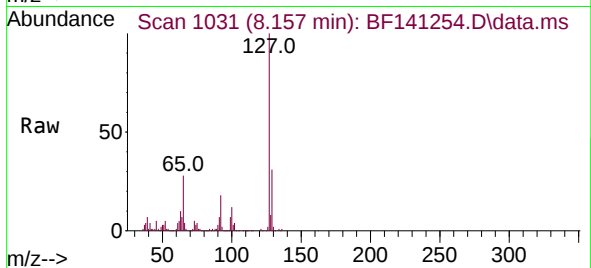
Ion Ratio Lower Upper

127 100

129 31.4 25.9 38.9

65 28.3 23.8 35.8

92 18.0 15.2 22.8



#34

Hexachlorobutadiene

Concen: 48.888 ng

RT: 8.228 min Scan# 1043

Delta R.T. -0.018 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

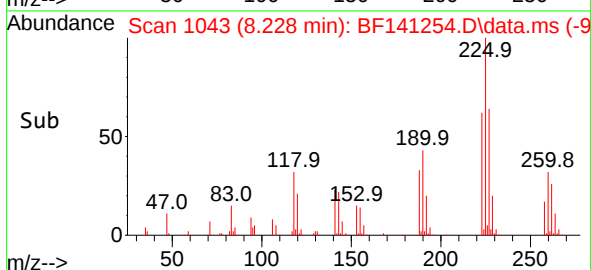
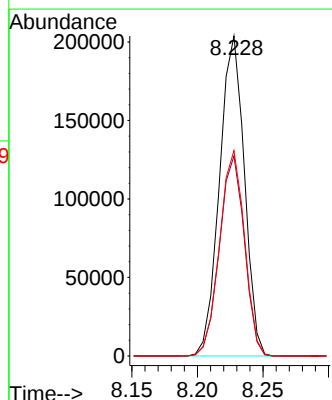
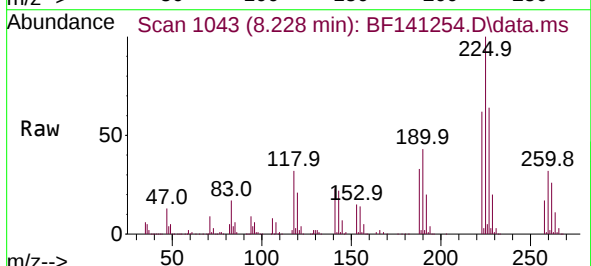
Tgt Ion:225 Resp: 268318

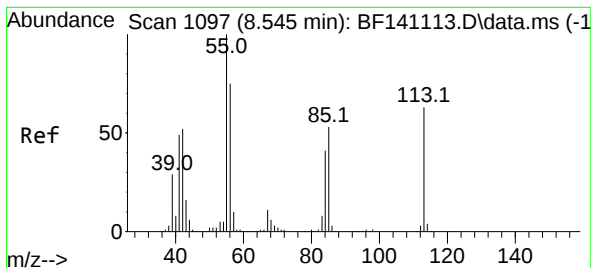
Ion Ratio Lower Upper

225 100

223 62.5 50.6 76.0

227 64.2 51.6 77.4





#35

Caprolactam

Concen: 49.284 ng m

RT: 8.528 min Scan# 1109

Delta R.T. -0.018 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Instrument :

BNA_F

ClientSampleId :

281MSD

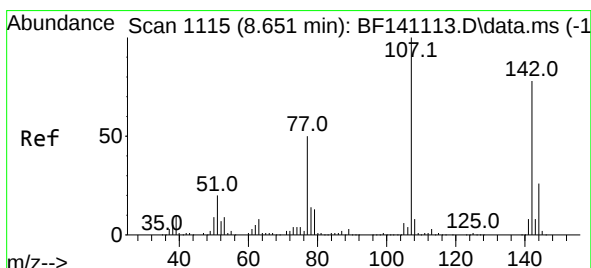
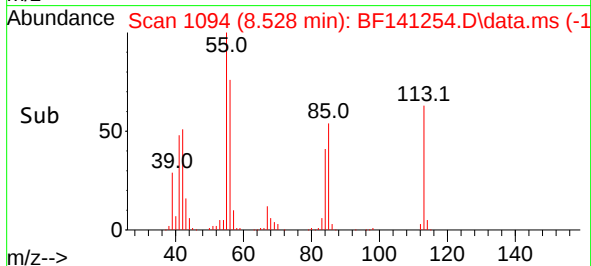
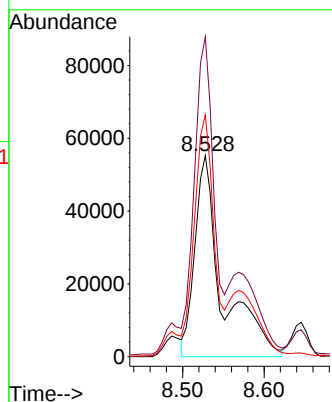
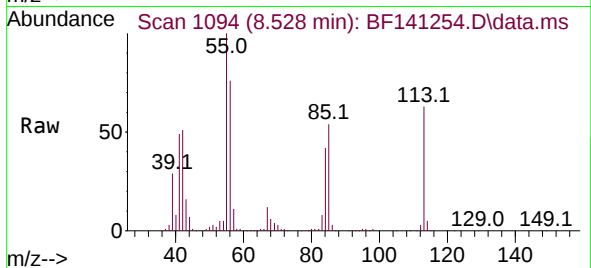
Tgt Ion:113 Resp: 128576

Ion Ratio Lower Upper

113 100

55 159.1 139.7 179.7

56 120.2 99.4 139.4



#36

4-Chloro-3-methylphenol

Concen: 51.599 ng

RT: 8.645 min Scan# 1114

Delta R.T. -0.006 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

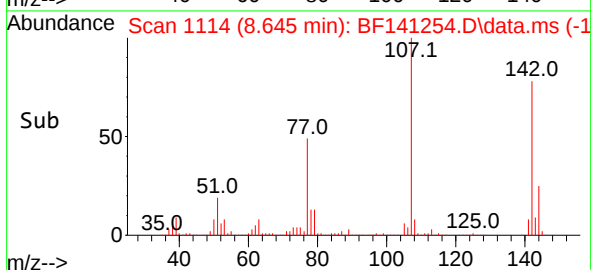
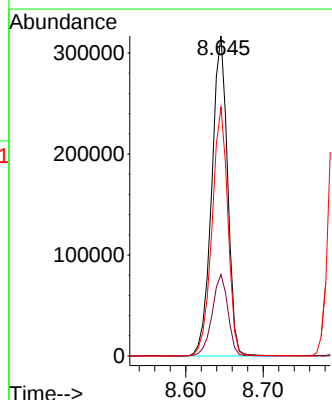
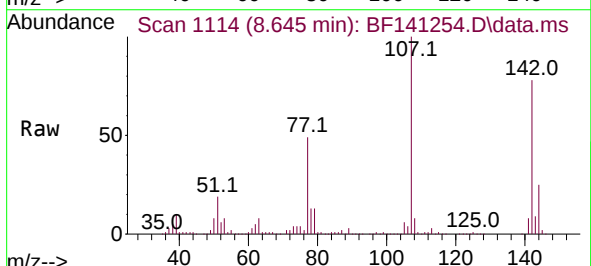
Tgt Ion:107 Resp: 449681

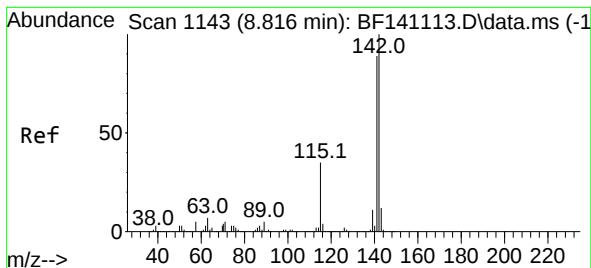
Ion Ratio Lower Upper

107 100

144 25.4 20.4 30.6

142 77.8 62.2 93.2





#37

2-Methylnaphthalene

Concen: 50.750 ng

RT: 8.804 min Scan# 1141

Delta R.T. -0.012 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Instrument :

BNA_F

ClientSampleId :

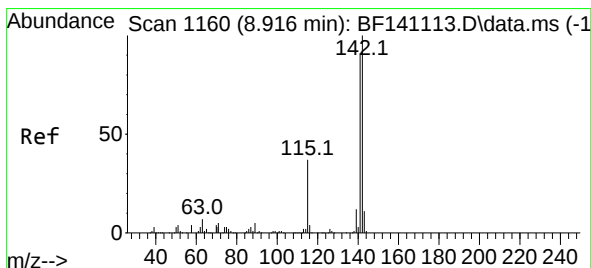
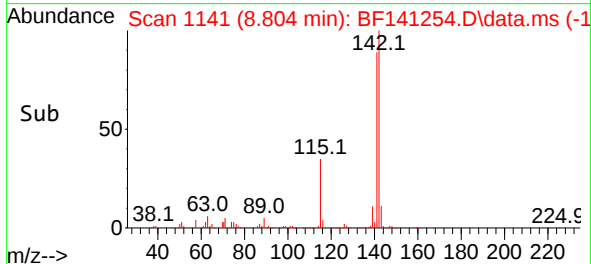
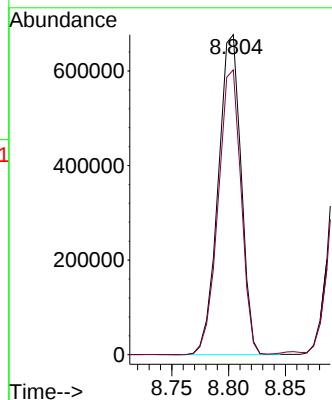
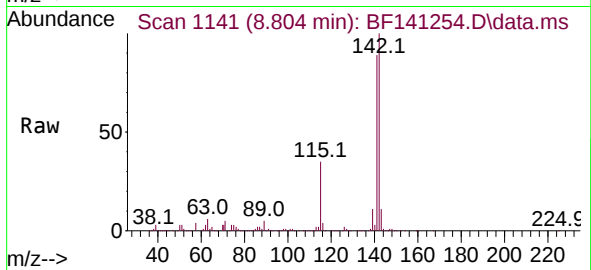
281MSD

Tgt Ion:142 Resp: 948541

Ion Ratio Lower Upper

142 100

141 89.0 71.3 106.9



#38

1-Methylnaphthalene

Concen: 47.938 ng

RT: 8.898 min Scan# 1157

Delta R.T. -0.018 min

Lab File: BF141254.D

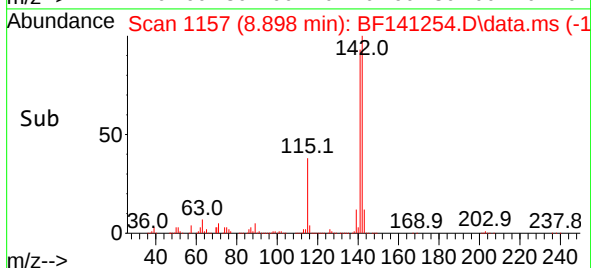
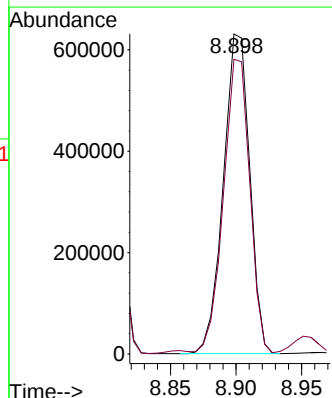
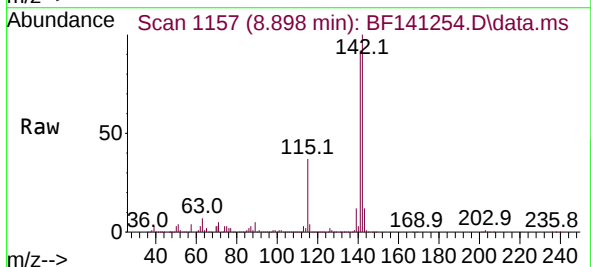
Acq: 23 Jan 2025 17:07

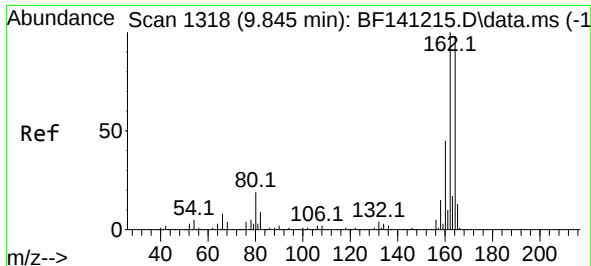
Tgt Ion:142 Resp: 883011

Ion Ratio Lower Upper

142 100

141 92.1 73.1 109.7

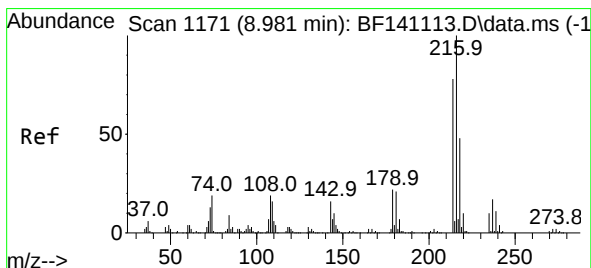
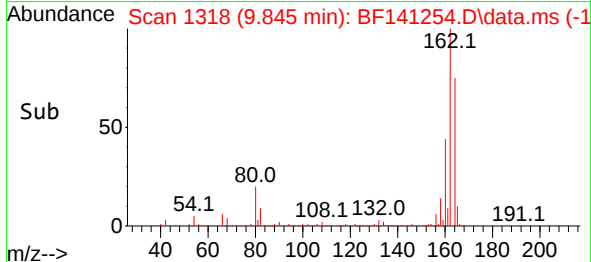
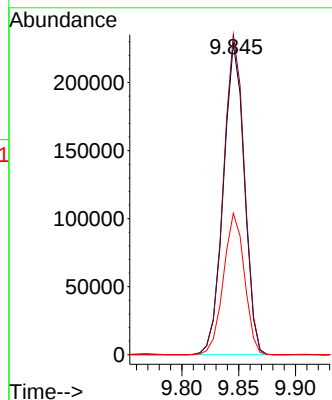
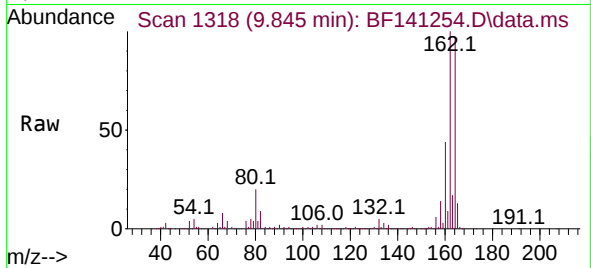




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1169
Delta R.T. -0.018 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

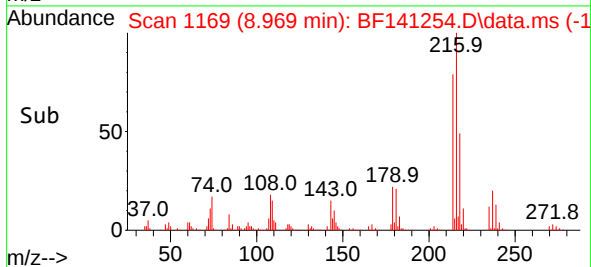
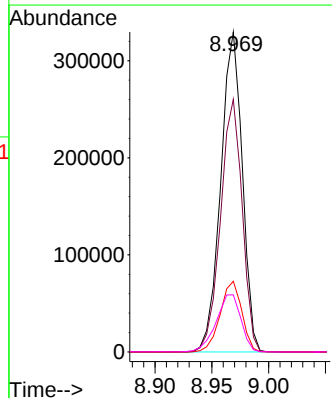
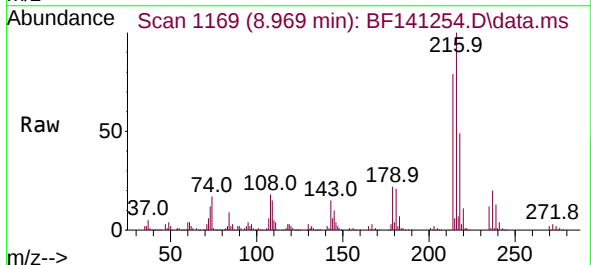
Instrument :
BNA_F
ClientSampleId :
281MSD

Tgt Ion:164 Resp: 293358
Ion Ratio Lower Upper
164 100
162 102.8 81.0 121.4
160 45.4 36.1 54.1



#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.629 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion:216 Resp: 434715
Ion Ratio Lower Upper
216 100
214 79.2 62.6 94.0
179 22.2 17.7 26.5
108 20.7 15.4 23.0

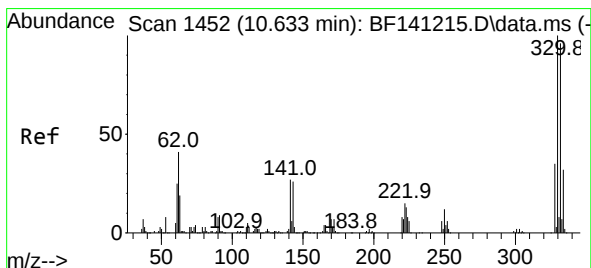
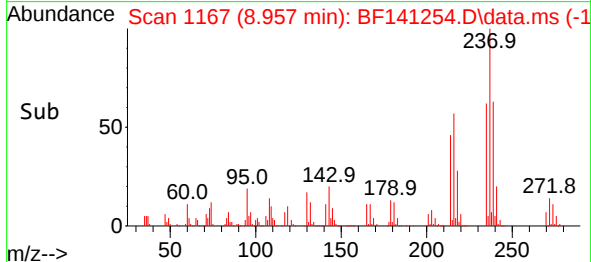
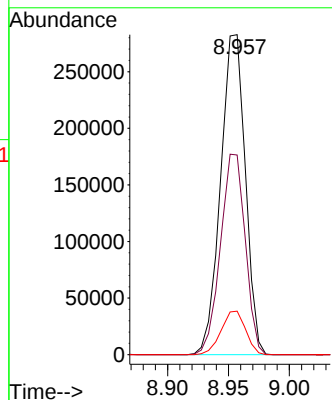
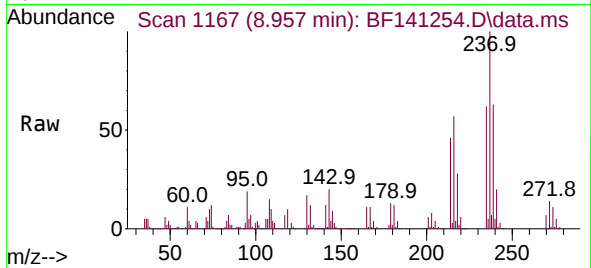




#41
Hexachlorocyclopentadiene
Concen: 145.262 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

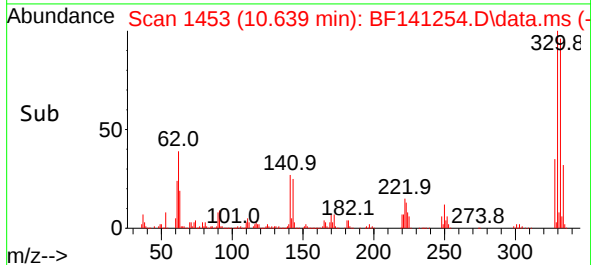
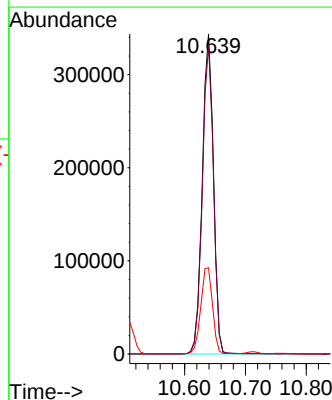
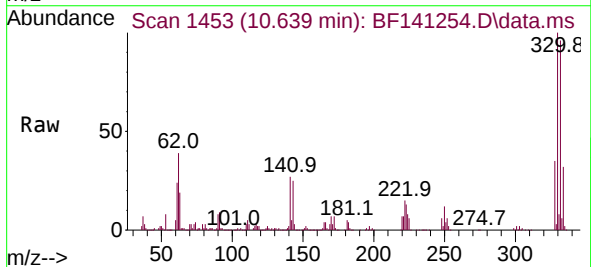
Instrument :
BNA_F
ClientSampleId :
281MSD

Tgt Ion:237 Resp: 400155
Ion Ratio Lower Upper
237 100
235 62.4 43.0 83.0
272 13.6 0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 131.027 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion:330 Resp: 437974
Ion Ratio Lower Upper
330 100
332 96.1 76.9 115.3
141 28.3 25.2 37.8





#43

2,4,6-Trichlorophenol

Concen: 54.826 ng

RT: 9.081 min Scan# 1188

Delta R.T. -0.012 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Instrument :

BNA_F

ClientSampleId :

281MSD

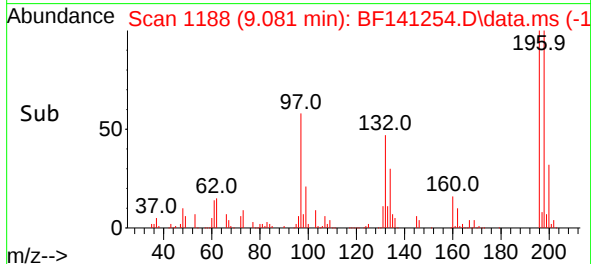
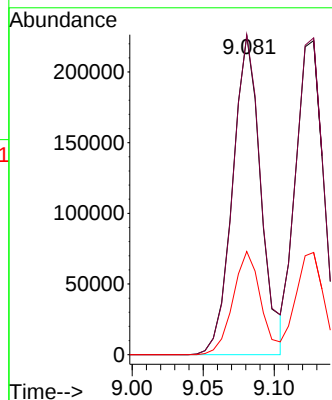
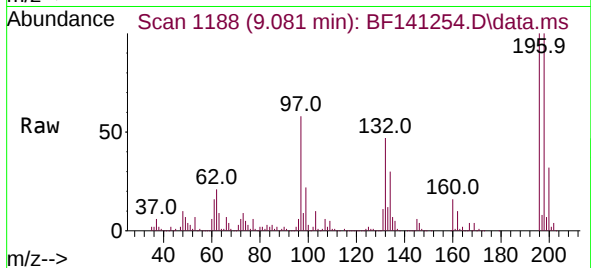
Tgt Ion:196 Resp: 311340

Ion Ratio Lower Upper

196 100

198 100.5 80.8 121.2

200 32.4 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 50.196 ng

RT: 9.128 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Tgt Ion:196 Resp: 301047

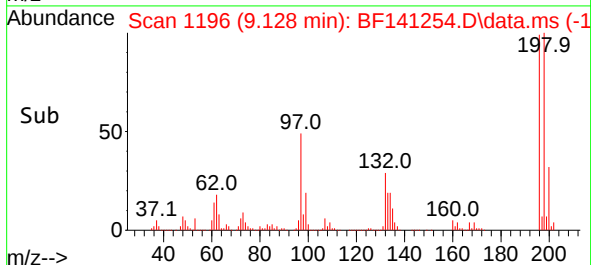
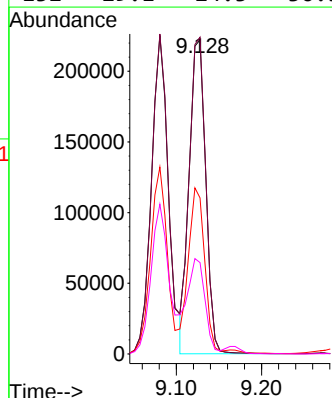
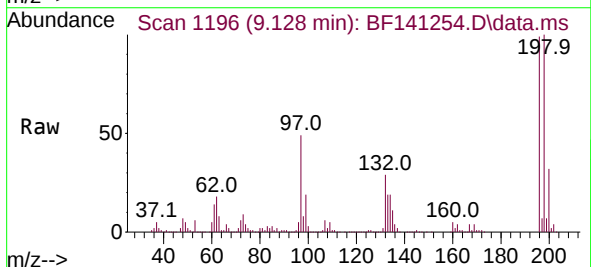
Ion Ratio Lower Upper

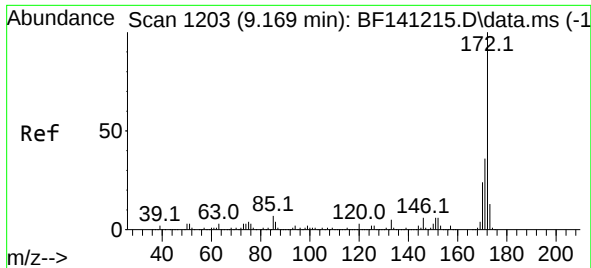
196 100

198 100.9 80.6 120.8

97 49.7 43.1 64.7

132 29.1 24.3 36.5

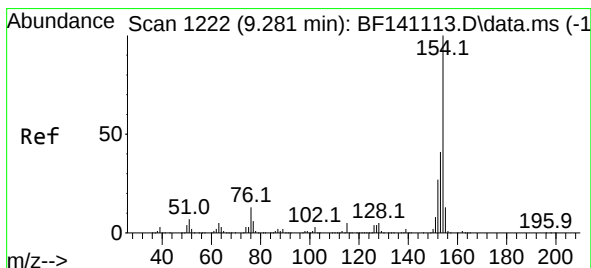
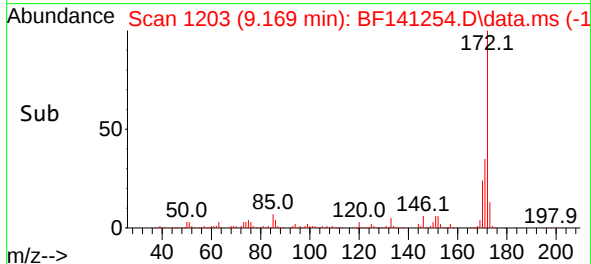
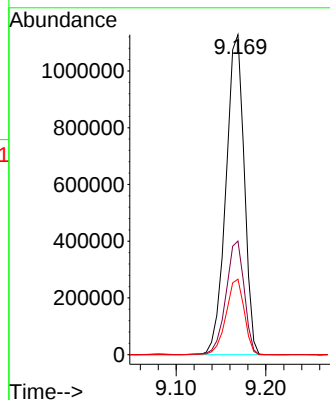
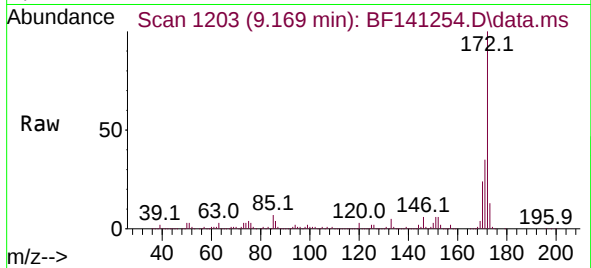




#45
2-Fluorobiphenyl
Concen: 82.844 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

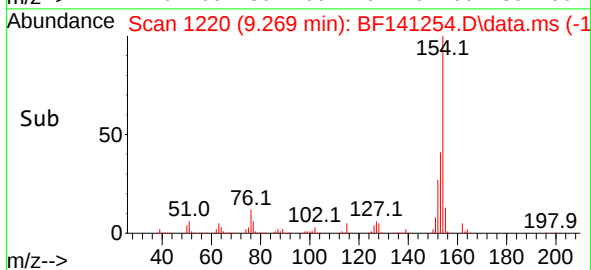
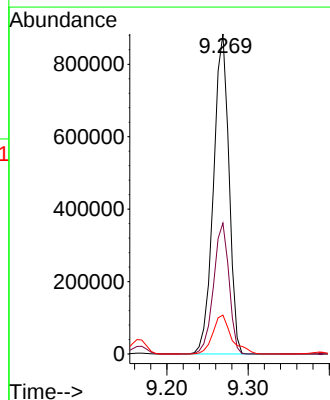
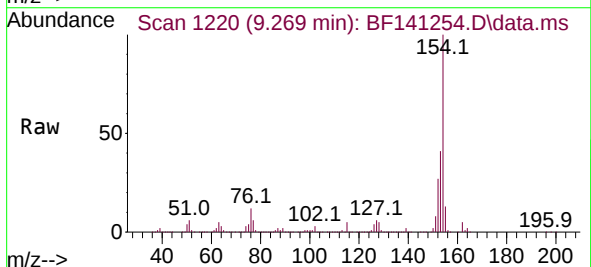
Instrument :
BNA_F
ClientSampleId :
281MSD

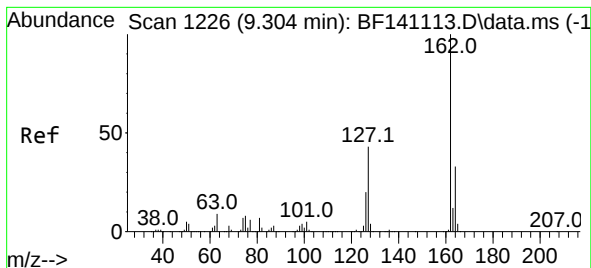
Tgt Ion:172 Resp: 1591510
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.6 19.0 28.6



#46
1,1'-Biphenyl
Concen: 51.355 ng
RT: 9.269 min Scan# 1220
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion:154 Resp: 1169969
Ion Ratio Lower Upper
154 100
153 40.9 20.7 60.7
76 12.1 0.0 33.1





#47

2-Chloronaphthalene

Concen: 49.908 ng

RT: 9.292 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Instrument :

BNA_F

ClientSampleId :

281MSD

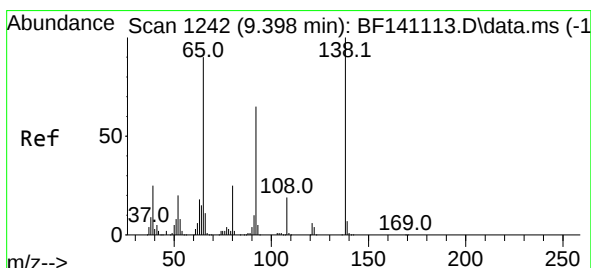
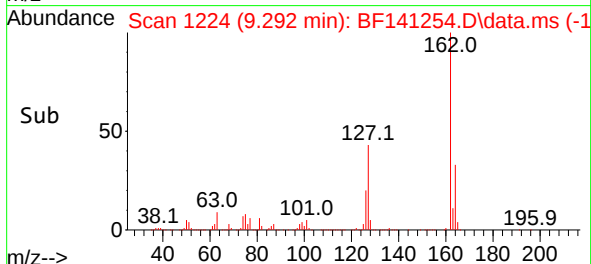
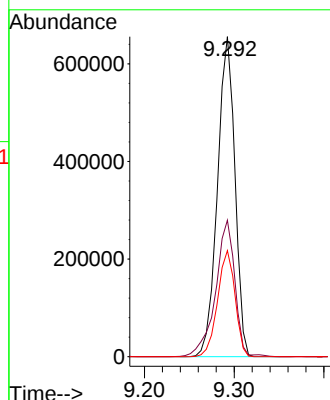
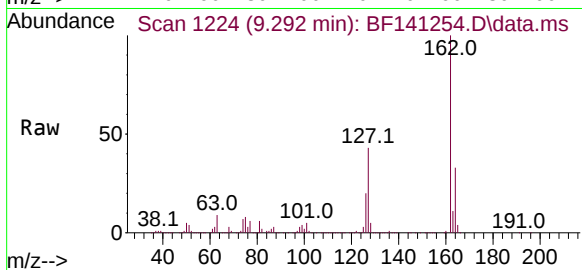
Tgt Ion:162 Resp: 885585

Ion Ratio Lower Upper

162 100

127 42.7 34.6 51.8

164 33.1 26.5 39.7



#48

2-Nitroaniline

Concen: 51.306 ng

RT: 9.387 min Scan# 1240

Delta R.T. -0.012 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

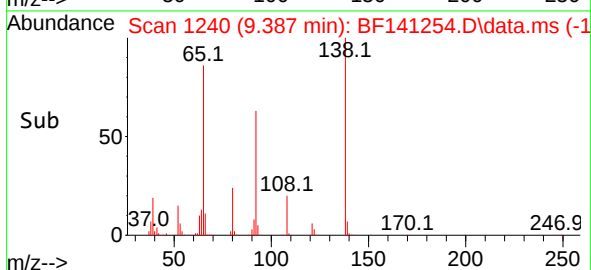
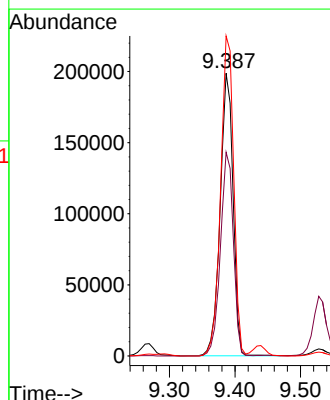
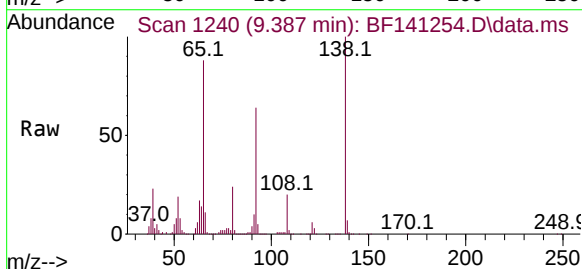
Tgt Ion: 65 Resp: 269870

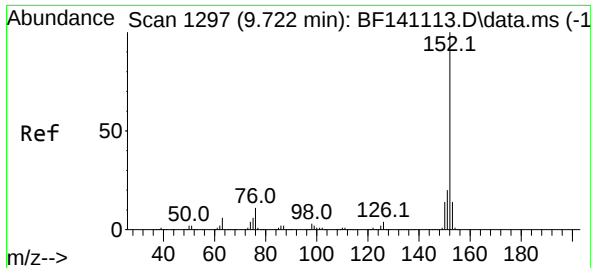
Ion Ratio Lower Upper

65 100

92 72.1 58.3 87.5

138 113.2 89.1 133.7





#49

Acenaphthylene

Concen: 53.792 ng

RT: 9.710 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Instrument :

BNA_F

ClientSampleId :

281MSD

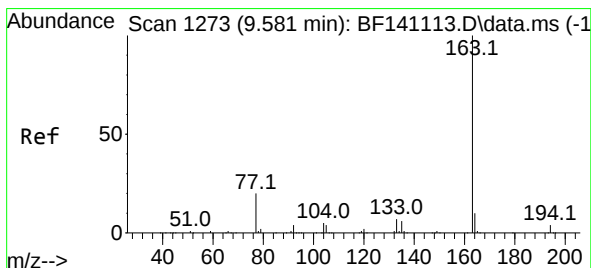
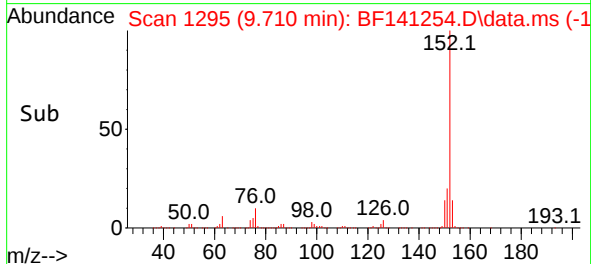
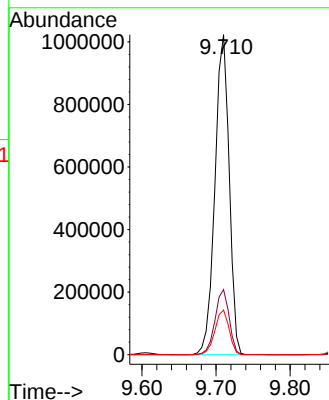
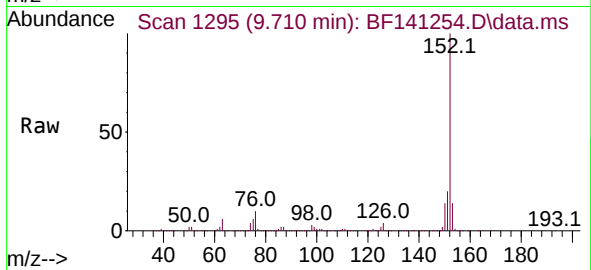
Tgt Ion:152 Resp: 1363720

Ion Ratio Lower Upper

152 100

151 20.3 16.1 24.1

153 13.9 11.1 16.7



#50

Dimethylphthalate

Concen: 53.074 ng

RT: 9.569 min Scan# 1271

Delta R.T. -0.012 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

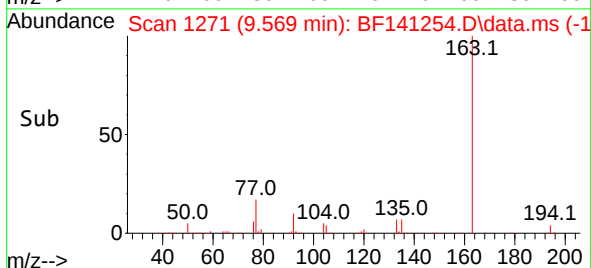
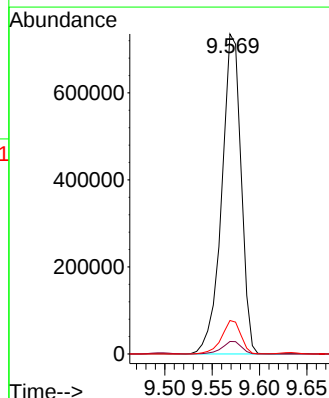
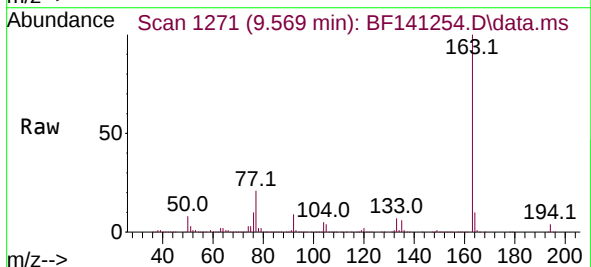
Tgt Ion:163 Resp: 1045259

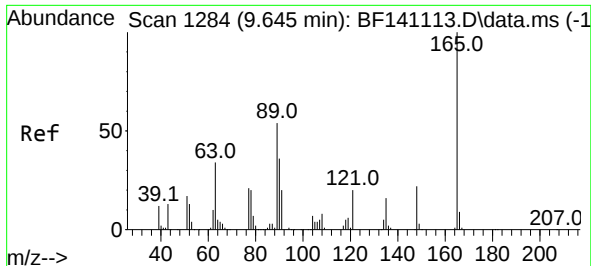
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.4 8.2 12.4

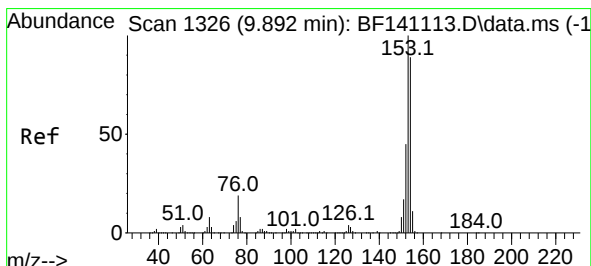
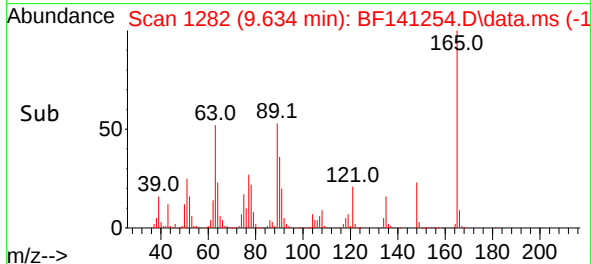
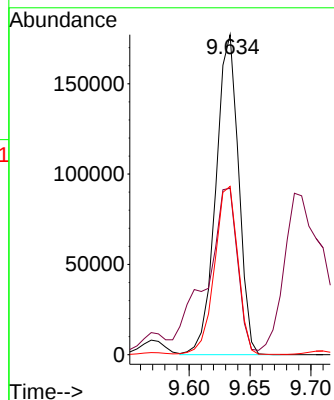
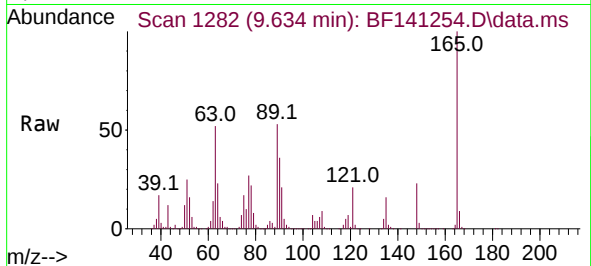




#51
2,6-Dinitrotoluene
Concen: 50.265 ng
RT: 9.634 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

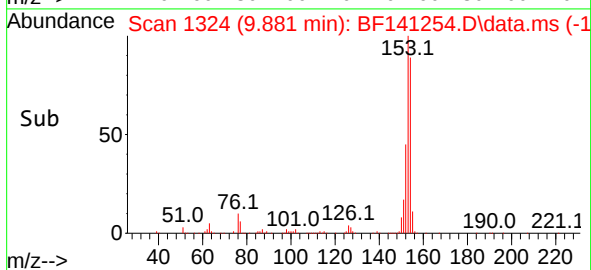
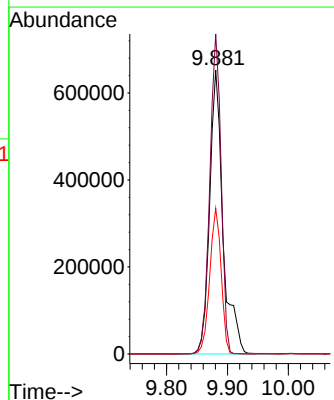
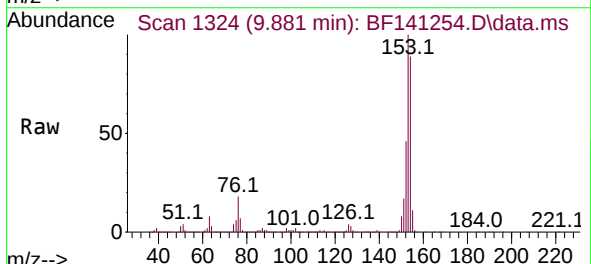
Instrument :
BNA_F
ClientSampleId :
281MSD

Tgt Ion:165 Resp: 230203
Ion Ratio Lower Upper
165 100
63 52.0 42.3 63.5
89 52.6 43.1 64.7



#52
Acenaphthene
Concen: 56.293 ng
RT: 9.881 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion:154 Resp: 997056
Ion Ratio Lower Upper
154 100
153 112.7 89.8 134.6
152 51.3 40.8 61.2

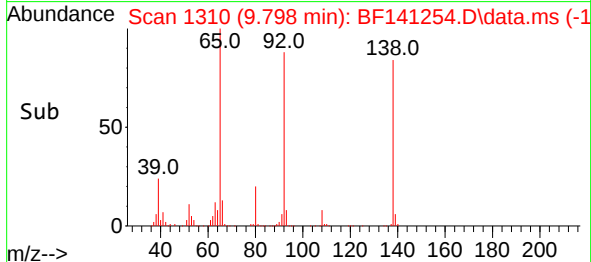
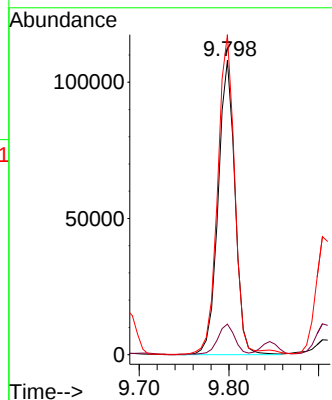
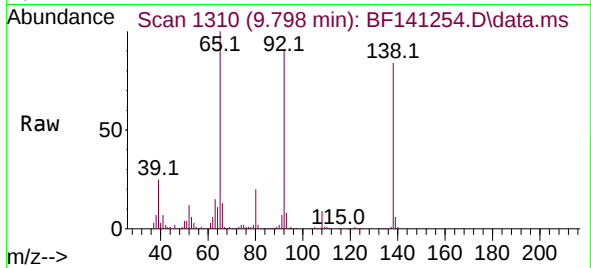




#53
3-Nitroaniline
Concen: 30.325 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

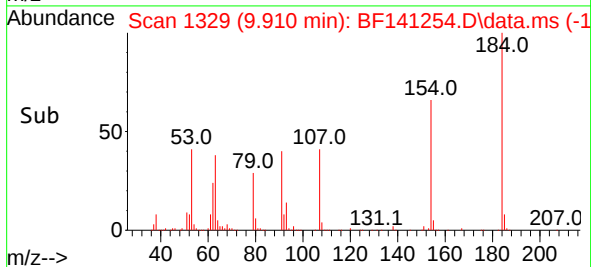
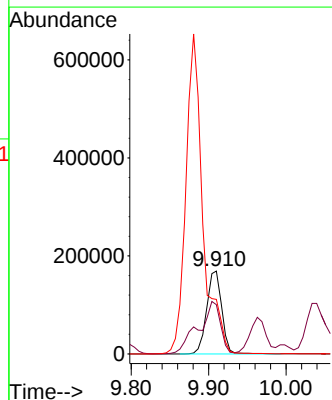
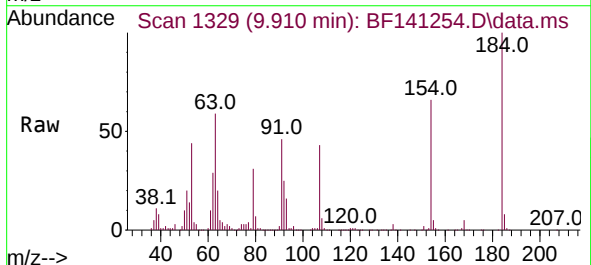
Instrument :
BNA_F
ClientSampleId :
281MSD

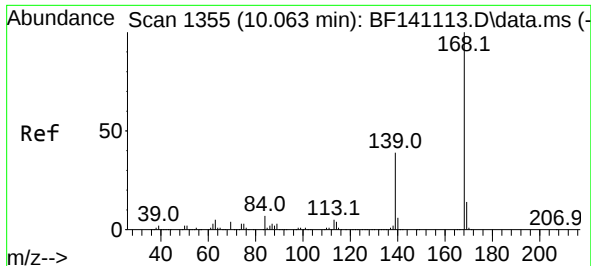
Tgt Ion:138 Resp: 141134
Ion Ratio Lower Upper
138 100
108 10.4 8.8 13.2
92 108.8 91.3 136.9



#54
2,4-Dinitrophenol
Concen: 105.177 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion:184 Resp: 228957
Ion Ratio Lower Upper
184 100
63 59.4 48.7 73.1
154 65.8 57.1 85.7

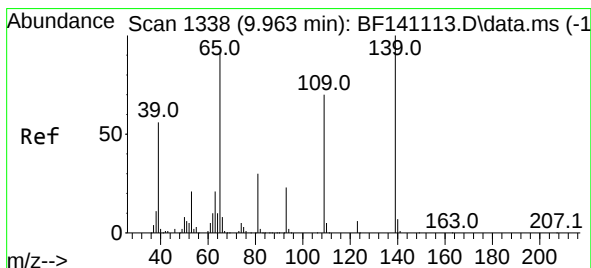
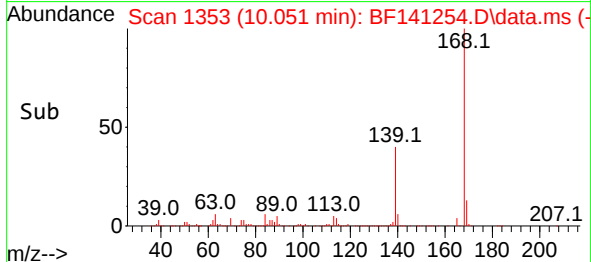
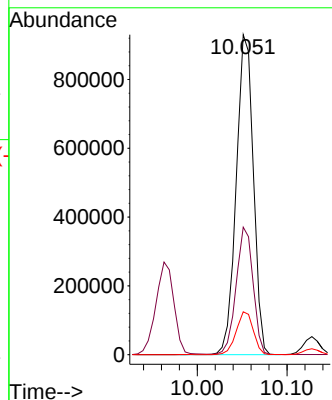
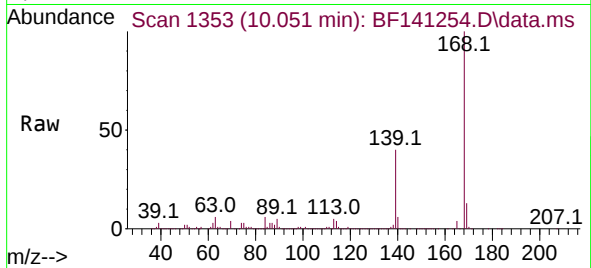




#55
Dibenzenofuran
Concen: 51.193 ng
RT: 10.051 min Scan# 1353
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

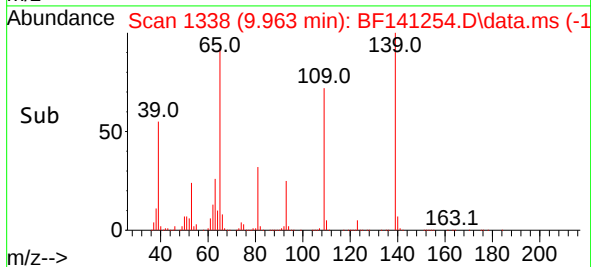
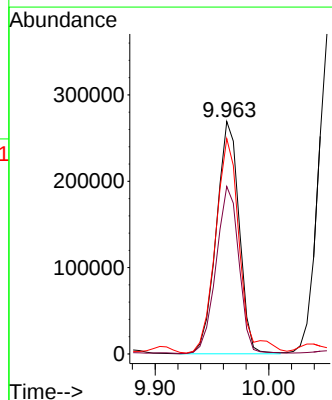
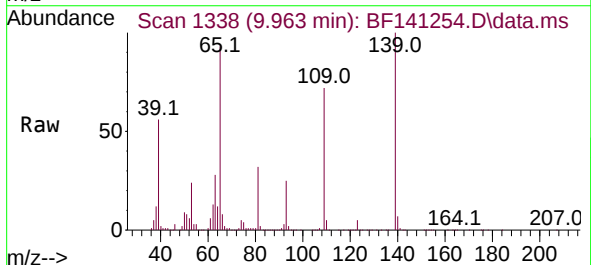
Instrument :
BNA_F
ClientSampleId :
281MSD

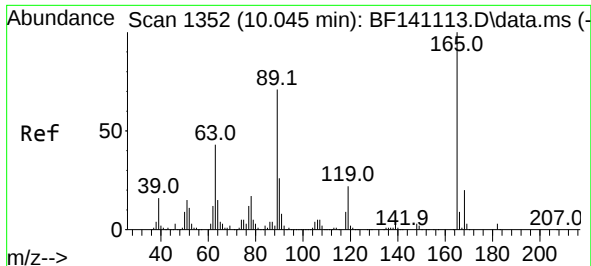
Tgt Ion:168 Resp: 1233310
Ion Ratio Lower Upper
168 100
139 39.8 31.4 47.0
169 13.4 10.9 16.3



#56
4-Nitrophenol
Concen: 103.139 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion:139 Resp: 375931
Ion Ratio Lower Upper
139 100
109 72.1 50.2 90.2
65 92.7 72.1 112.1

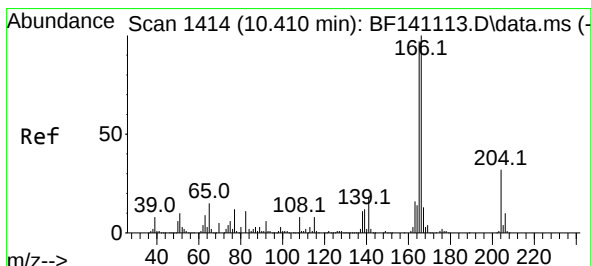
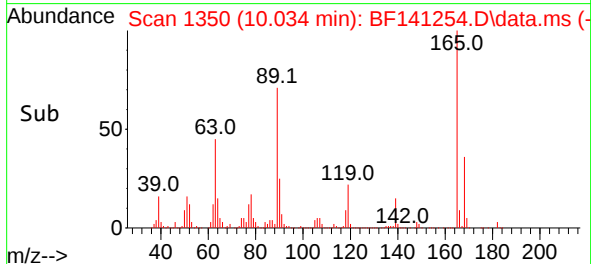
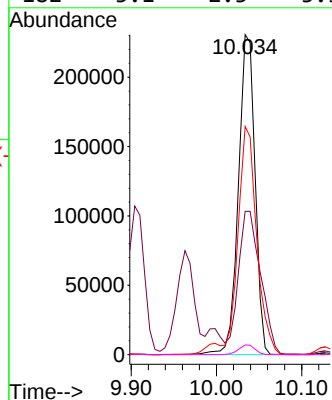
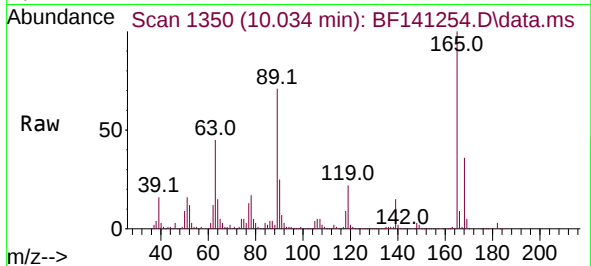




#57
2,4-Dinitrotoluene
Concen: 52.762 ng
RT: 10.034 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

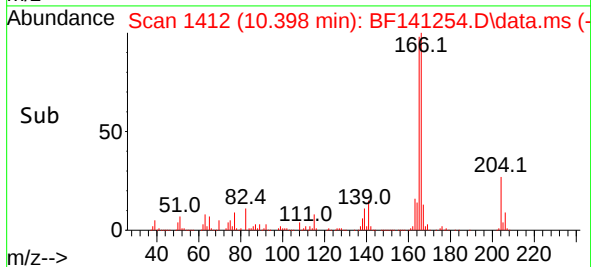
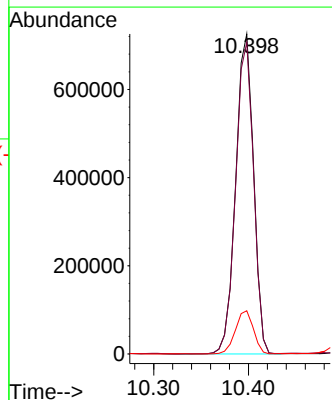
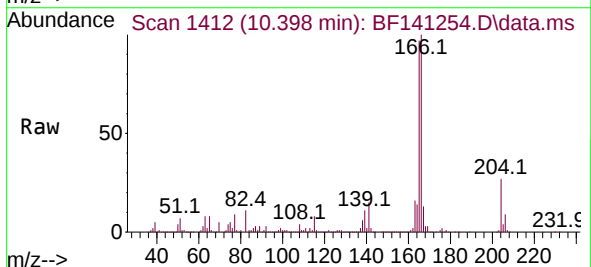
Instrument :
BNA_F
ClientSampleId :
281MSD

Tgt Ion:165 Resp: 311408
Ion Ratio Lower Upper
165 100
63 44.8 35.0 52.4
89 71.3 56.7 85.1
182 3.1 2.3 3.5



#58
Fluorene
Concen: 50.694 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion:166 Resp: 948827
Ion Ratio Lower Upper
166 100
165 97.4 77.8 116.8
167 13.5 10.8 16.2

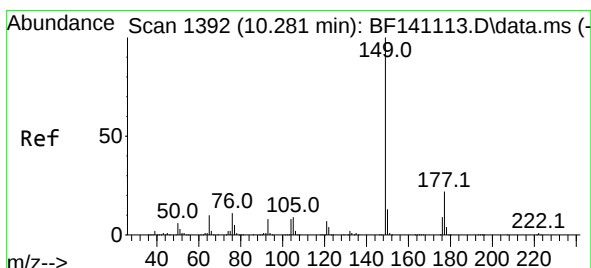
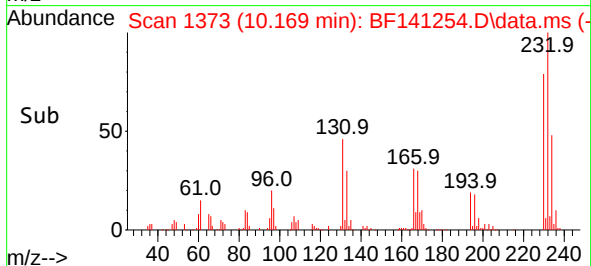
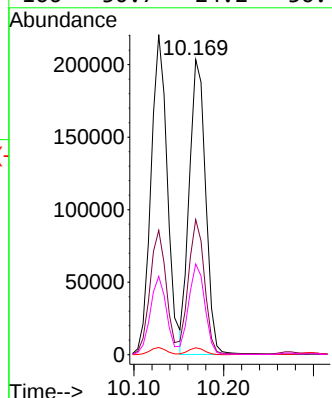
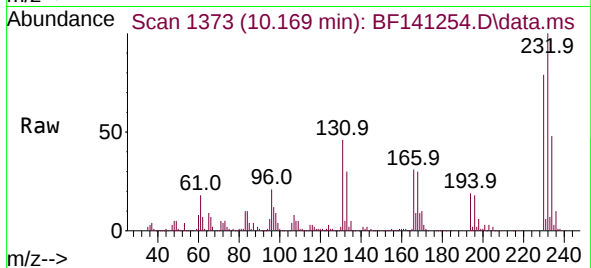




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.538 ng
RT: 10.169 min Scan# 1373
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

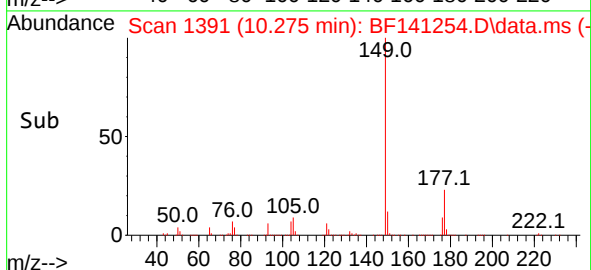
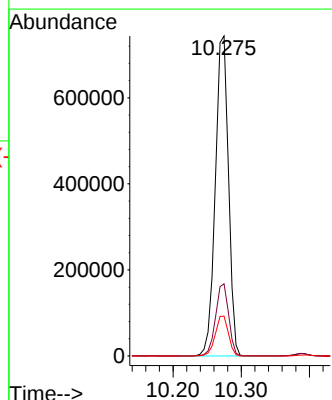
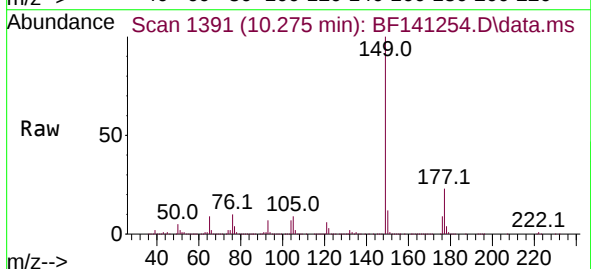
Instrument :
BNA_F
ClientSampleId :
281MSD

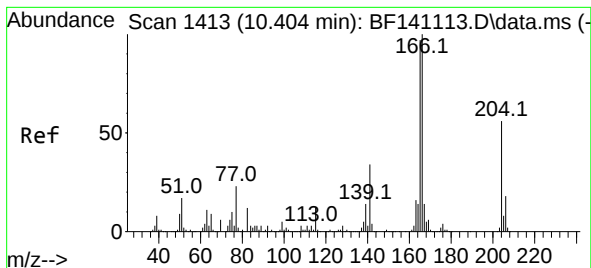
Tgt Ion:232 Resp: 256923
Ion Ratio Lower Upper
232 100
131 45.8 36.2 54.4
130 2.4 2.0 3.0
166 30.7 24.2 36.4



#60
Diethylphthalate
Concen: 52.007 ng
RT: 10.275 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion:149 Resp: 999915
Ion Ratio Lower Upper
149 100
177 22.6 17.9 26.9
150 12.5 10.2 15.2

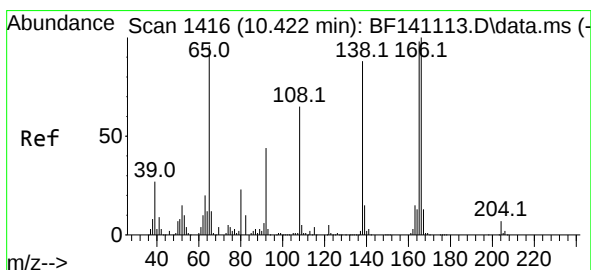
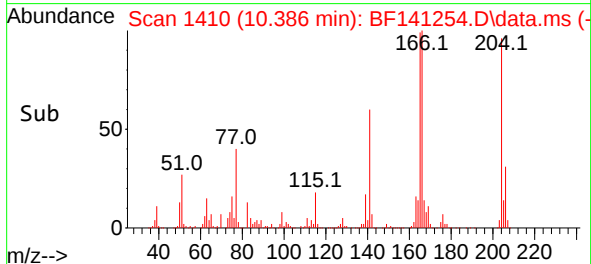
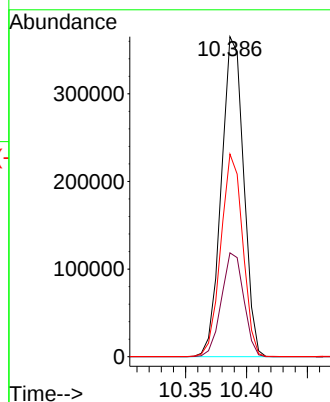
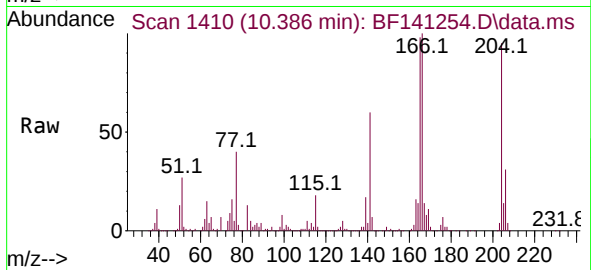




#61
4-Chlorophenyl-phenylether
Concen: 50.969 ng
RT: 10.386 min Scan# 1413
Delta R.T. -0.018 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

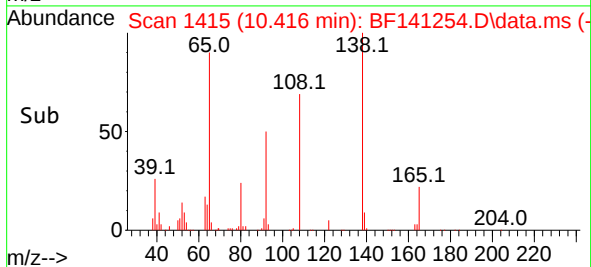
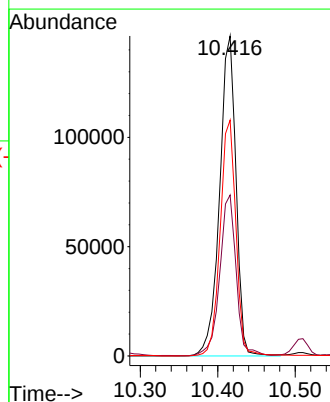
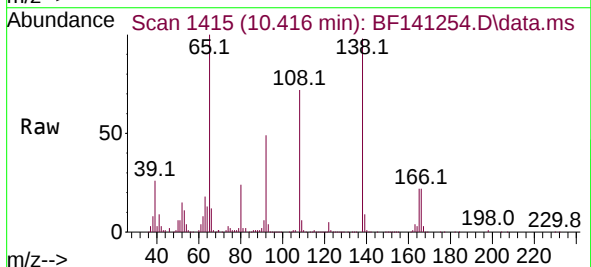
Instrument :
BNA_F
ClientSampleId :
281MSD

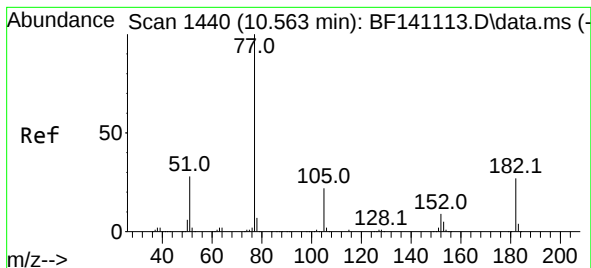
Tgt Ion:204 Resp: 464956
Ion Ratio Lower Upper
204 100
206 32.4 25.9 38.9
141 63.3 49.1 73.7



#62
4-Nitroaniline
Concen: 47.180 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion:138 Resp: 214914
Ion Ratio Lower Upper
138 100
92 50.3 29.4 69.4
108 73.7 53.7 93.7





#63

Azobenzene

Concen: 57.760 ng

RT: 10.551 min Scan# 1440

Delta R.T. -0.012 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Instrument :

BNA_F

ClientSampleId :

281MSD

Tgt Ion: 77 Resp: 1095796

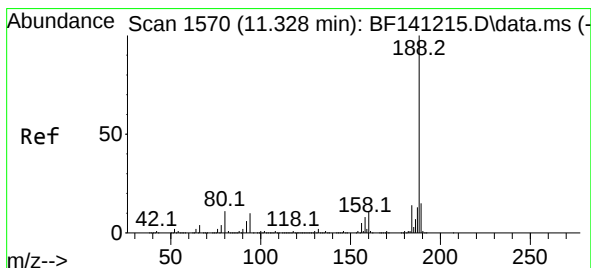
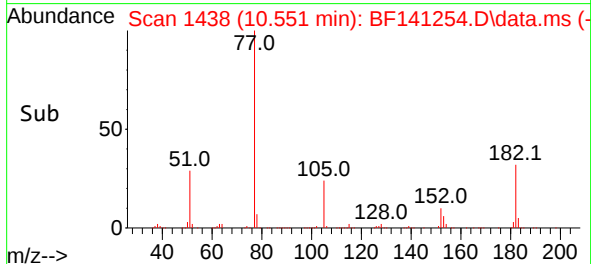
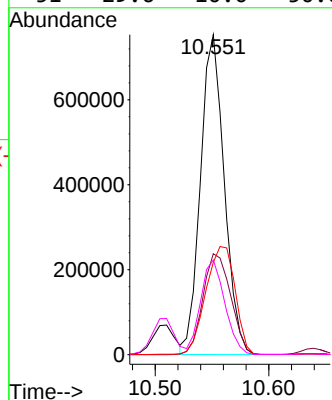
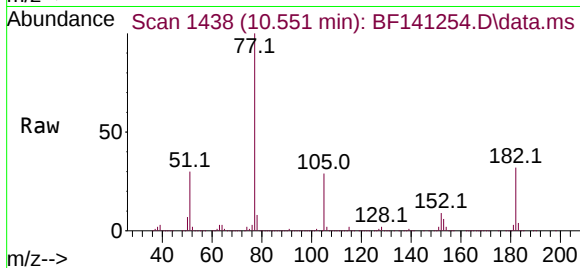
Ion Ratio Lower Upper

77 100

182 31.5 6.1 46.1

105 28.9 2.1 42.1

51 29.6 10.0 50.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.333 min Scan# 1571

Delta R.T. -0.012 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

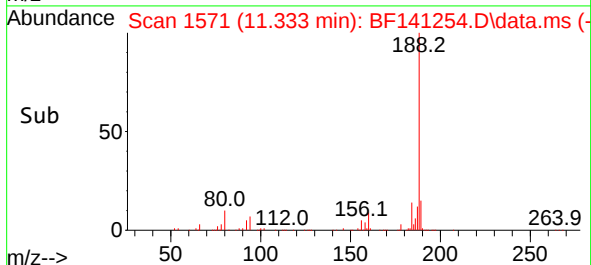
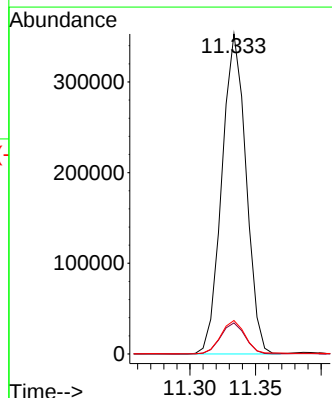
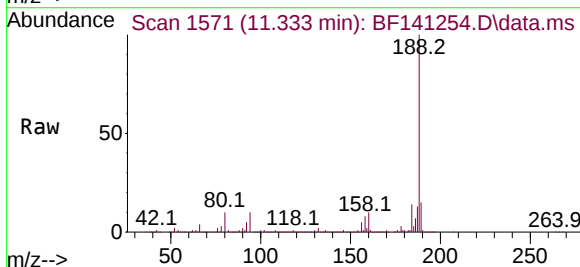
Tgt Ion:188 Resp: 451957

Ion Ratio Lower Upper

188 100

94 9.7 8.3 12.5

80 10.4 9.0 13.4

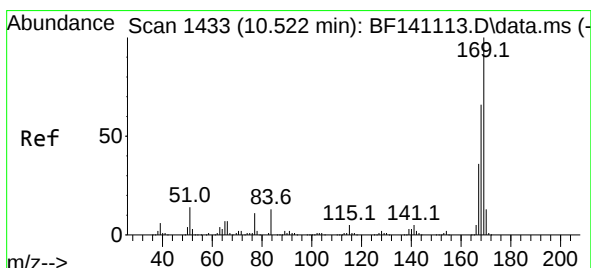
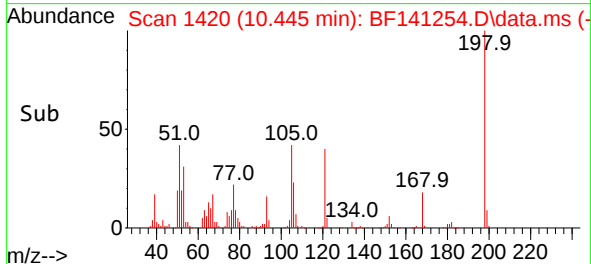
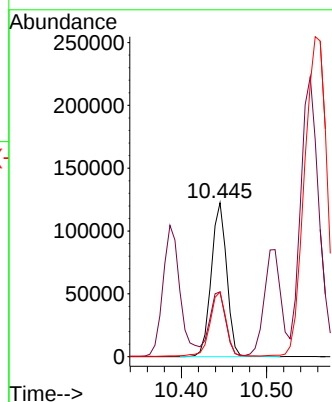
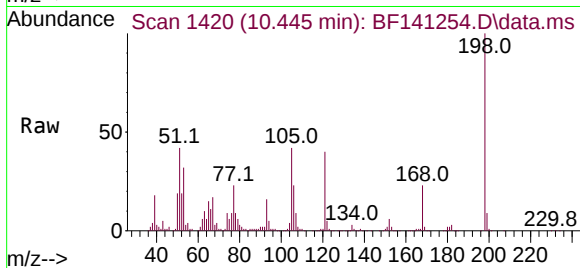




#65
4,6-Dinitro-2-methylphenol
Concen: 58.918 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

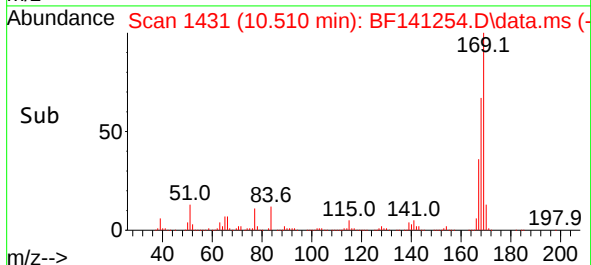
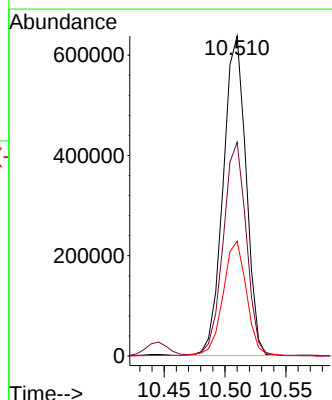
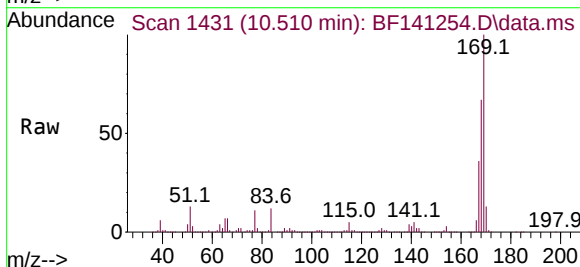
Instrument :
BNA_F
ClientSampleId :
281MSD

Tgt Ion:198 Resp: 154305
Ion Ratio Lower Upper
198 100
51 42.1 27.1 67.1
105 42.0 24.2 64.2



#66
n-Nitrosodiphenylamine
Concen: 57.086 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion:169 Resp: 832185
Ion Ratio Lower Upper
169 100
168 66.8 52.5 78.7
167 35.9 28.9 43.3

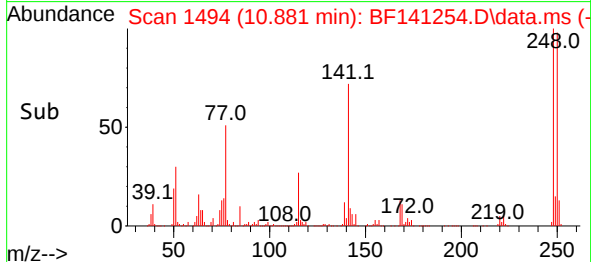
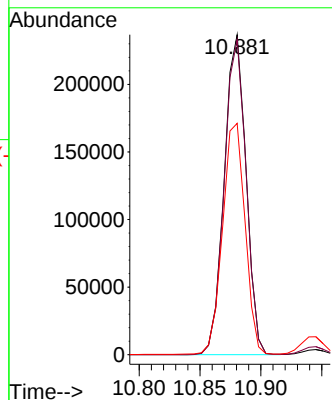
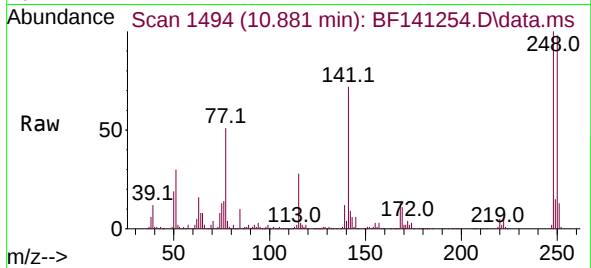




#67
4-Bromophenyl-phenylether
Concen: 56.751 ng
RT: 10.881 min Scan# 1496
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

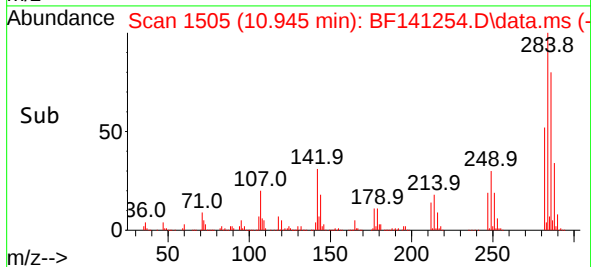
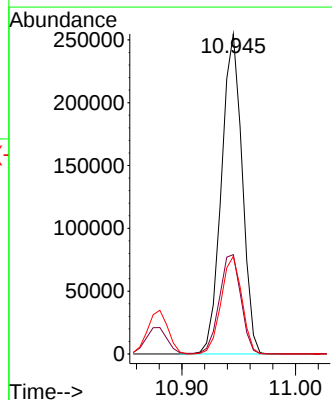
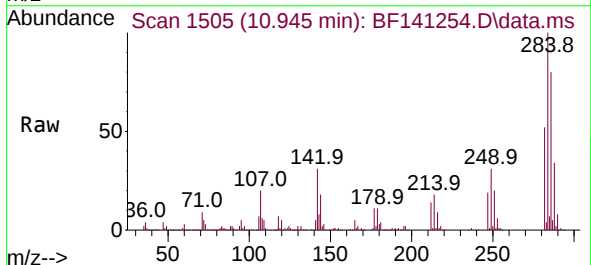
Instrument :
BNA_F
ClientSampleId :
281MSD

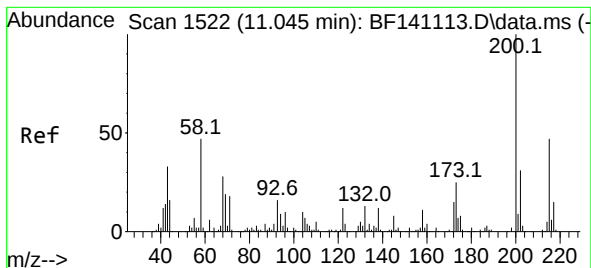
Tgt Ion:248 Resp: 295295
Ion Ratio Lower Upper
248 100
250 98.4 77.9 116.9
141 72.3 59.9 89.9



#68
Hexachlorobenzene
Concen: 55.607 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion:284 Resp: 322094
Ion Ratio Lower Upper
284 100
142 31.0 26.3 39.5
249 30.5 24.9 37.3





#69

Atrazine

Concen: 69.132 ng

RT: 11.039 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Instrument :

BNA_F

ClientSampleId :

281MSD

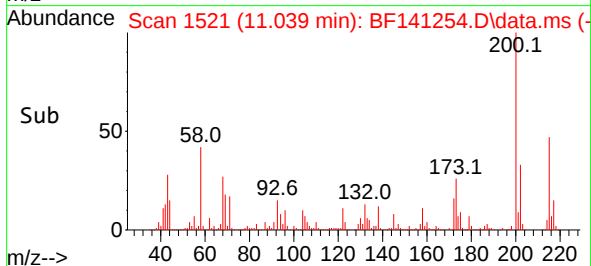
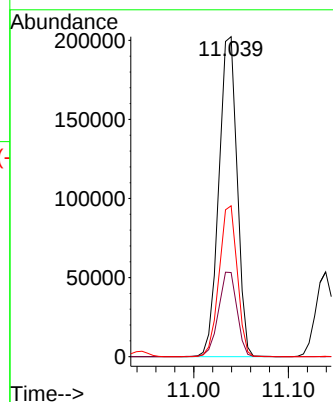
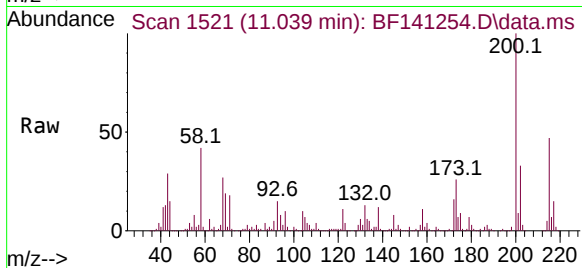
Tgt Ion:200 Resp: 271352

Ion Ratio Lower Upper

200 100

173 26.3 5.4 45.4

215 47.1 26.6 66.6



#70

Pentachlorophenol

Concen: 100.783 ng

RT: 11.139 min Scan# 1538

Delta R.T. -0.006 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

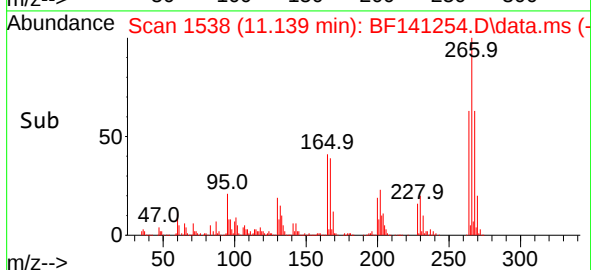
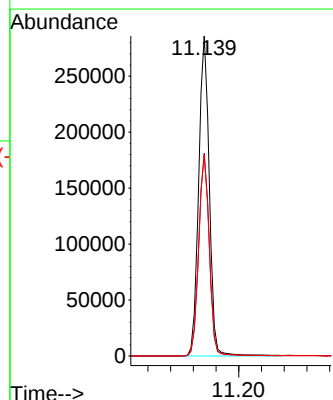
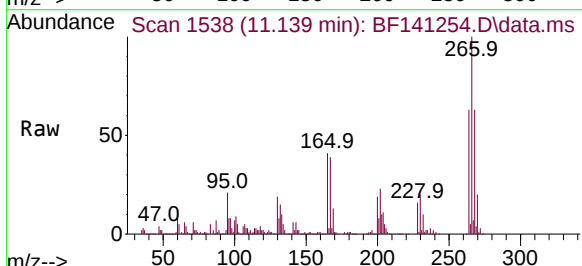
Tgt Ion:266 Resp: 373845

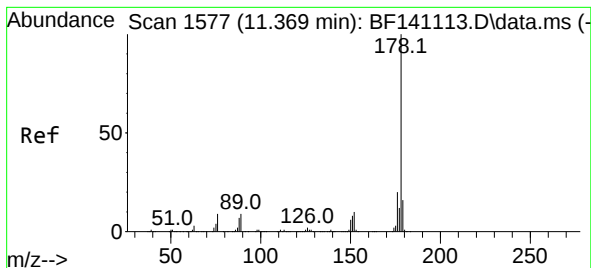
Ion Ratio Lower Upper

266 100

268 63.3 50.4 75.6

264 62.8 50.2 75.2





#71

Phenanthrene

Concen: 56.031 ng

RT: 11.357 min Scan# 1575

Delta R.T. -0.012 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Instrument :

BNA_F

ClientSampleId :

281MSD

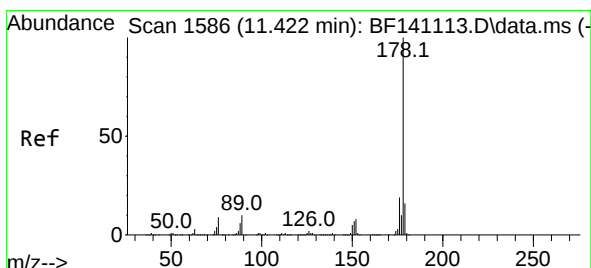
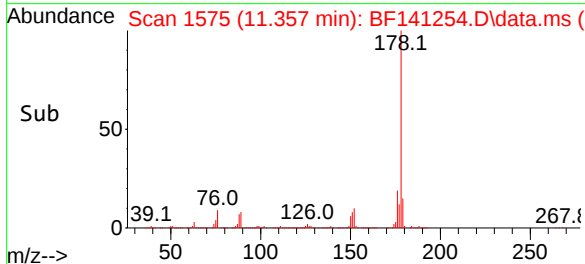
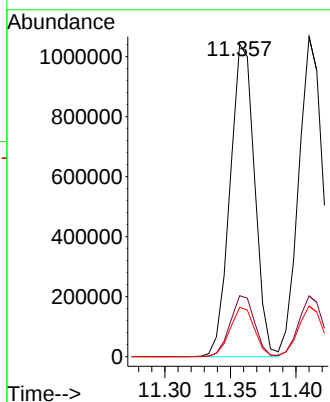
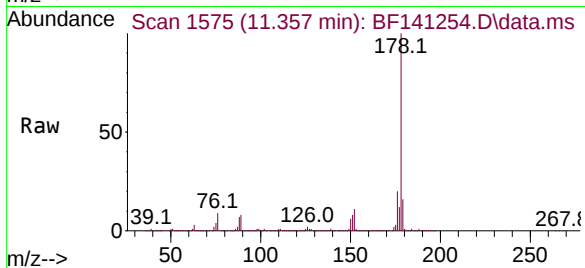
Tgt Ion:178 Resp: 1359545

Ion Ratio Lower Upper

178 100

176 19.5 15.7 23.5

179 15.8 12.6 19.0



#72

Anthracene

Concen: 57.463 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

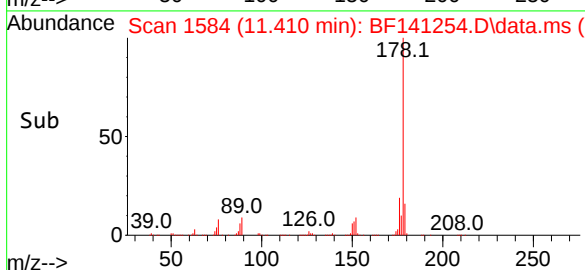
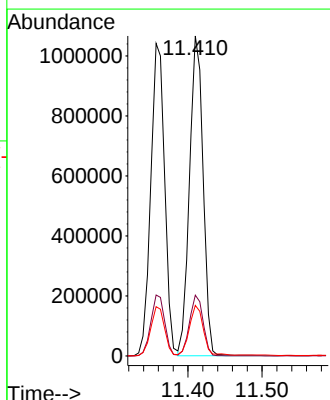
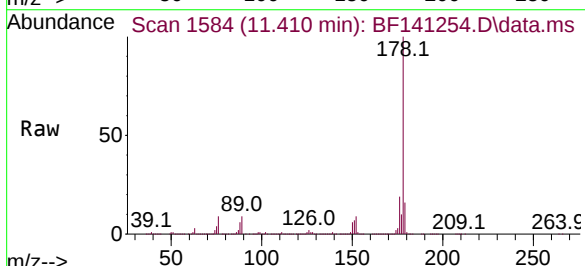
Tgt Ion:178 Resp: 1355724

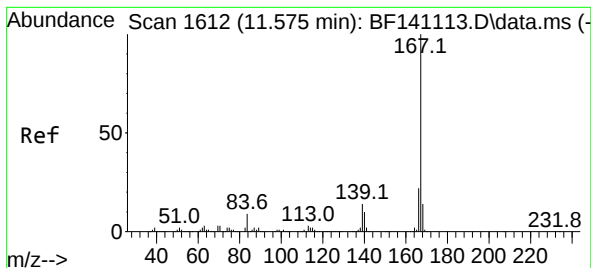
Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

179 15.8 12.6 19.0





#73

Carbazole

Concen: 50.596 ng

RT: 11.563 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Instrument :

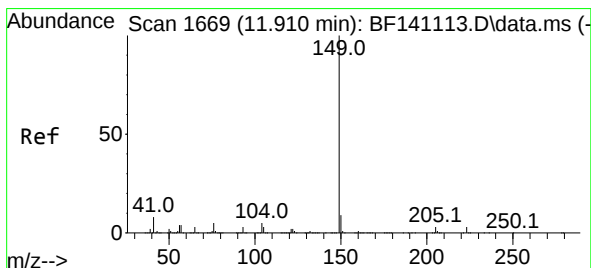
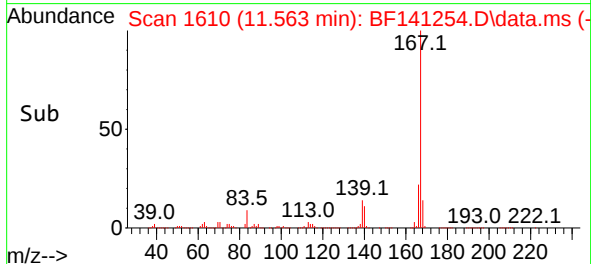
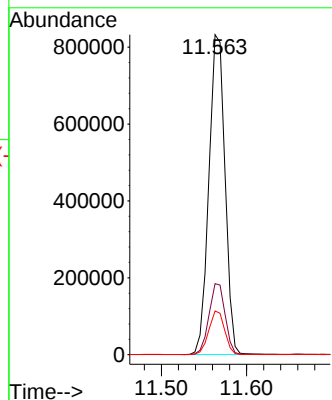
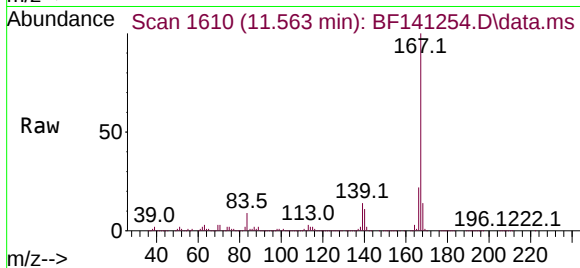
BNA_F

ClientSampleId :

281MSD

Tgt Ion:167 Resp: 1094572

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.4	26.2
139	13.6	10.9	16.3



#74

Di-n-butylphthalate

Concen: 55.573 ng

RT: 11.898 min Scan# 1667

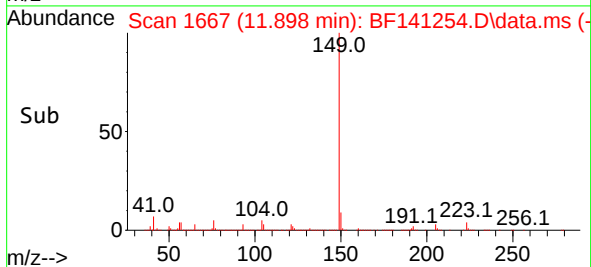
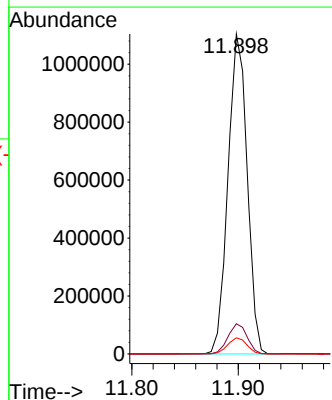
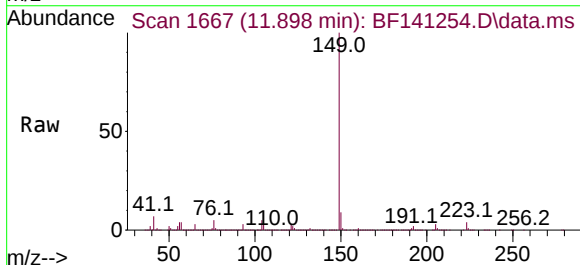
Delta R.T. -0.012 min

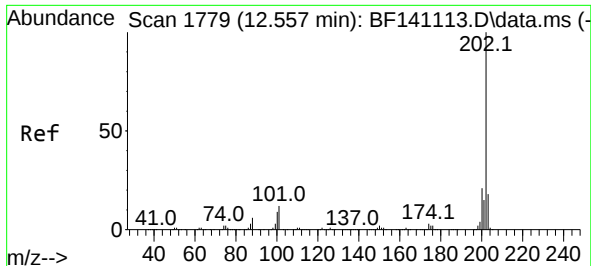
Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Tgt Ion:149 Resp: 1375851

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.1	4.2	6.2

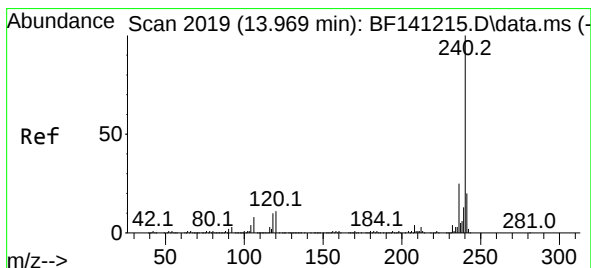
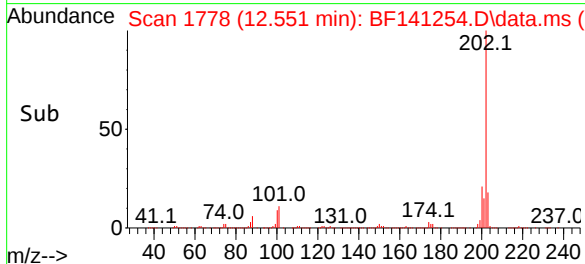
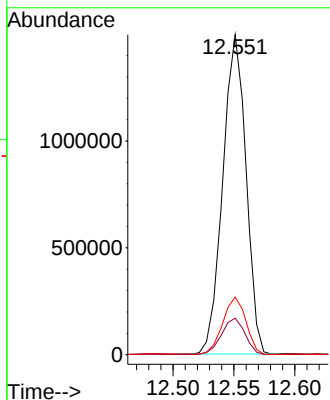
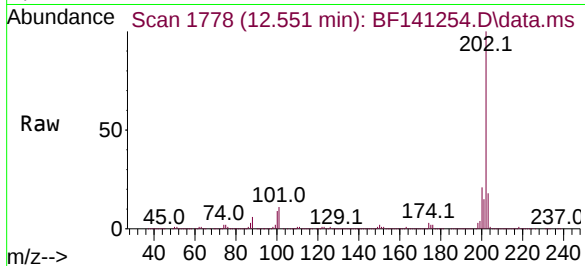




#75
Fluoranthene
Concen: 81.880 ng
RT: 12.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

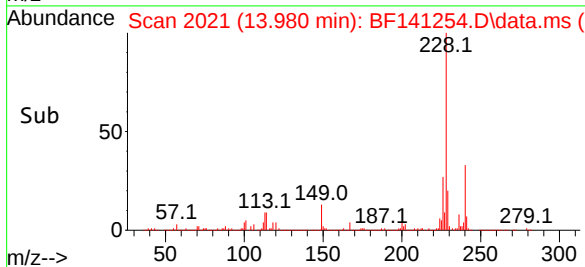
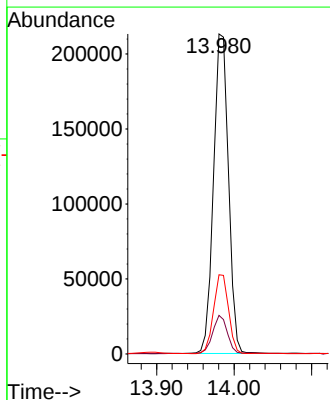
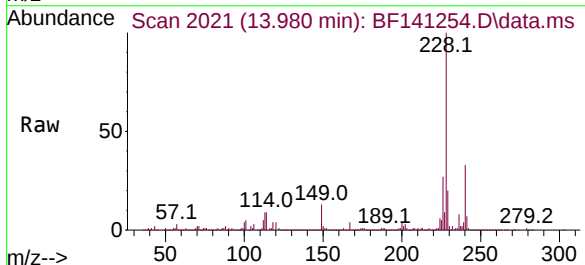
Instrument :
BNA_F
ClientSampleId :
281MSD

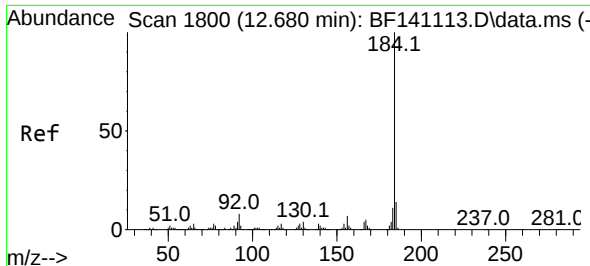
Tgt Ion:202 Resp: 1982579
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.3
203 18.0 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion:240 Resp: 285660
Ion Ratio Lower Upper
240 100
120 12.0 9.1 13.7
236 24.8 19.8 29.6

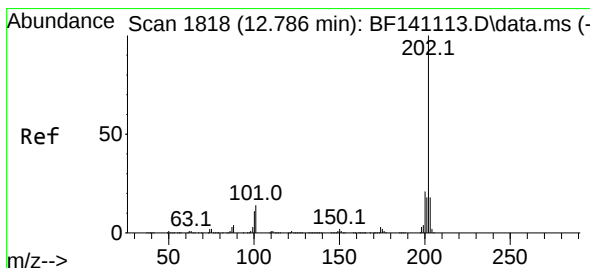
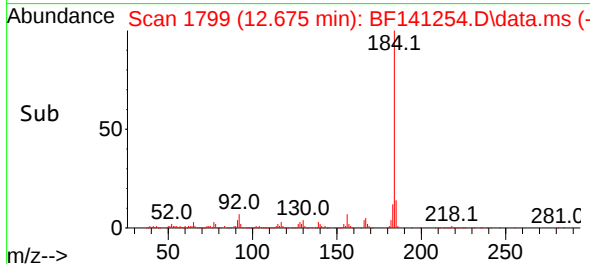
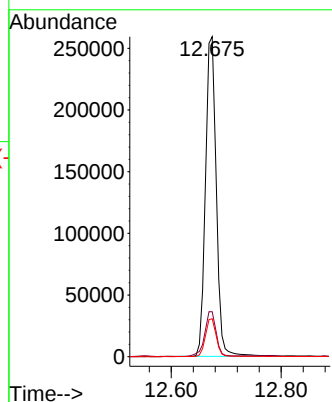
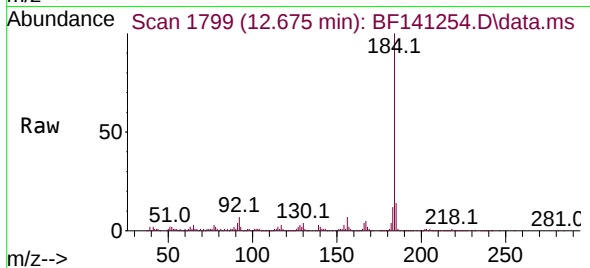




#77
Benzidine
Concen: 66.729 ng
RT: 12.675 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

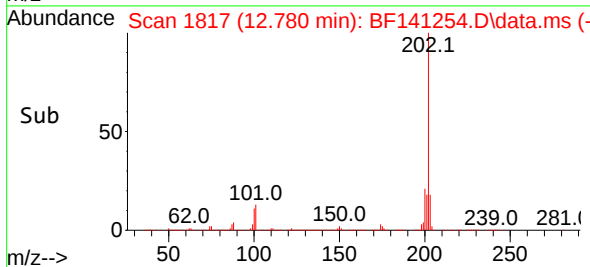
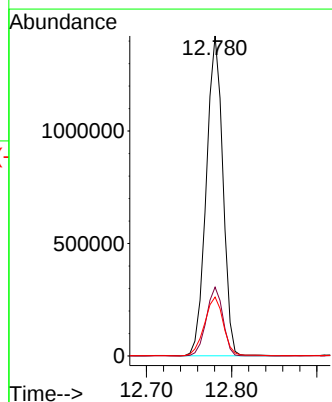
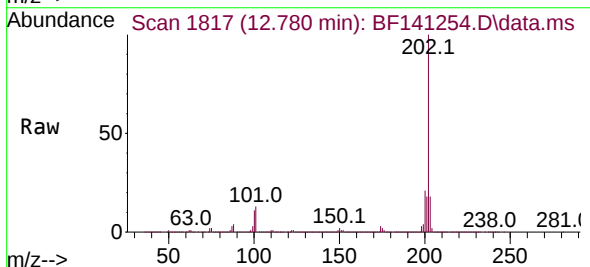
Instrument :
BNA_F
ClientSampleId :
281MSD

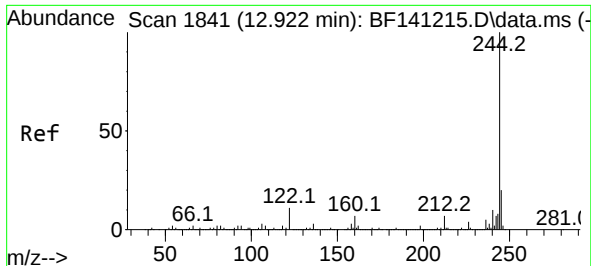
Tgt Ion:184 Resp: 353490
Ion Ratio Lower Upper
184 100
185 14.0 11.4 17.0
183 11.9 9.2 13.8



#78
Pyrene
Concen: 70.252 ng
RT: 12.780 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion:202 Resp: 1916765
Ion Ratio Lower Upper
202 100
200 21.5 16.8 25.2
203 18.4 14.3 21.5

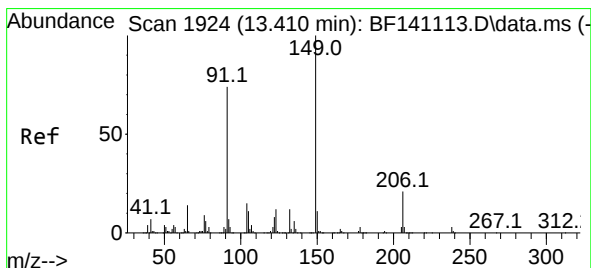
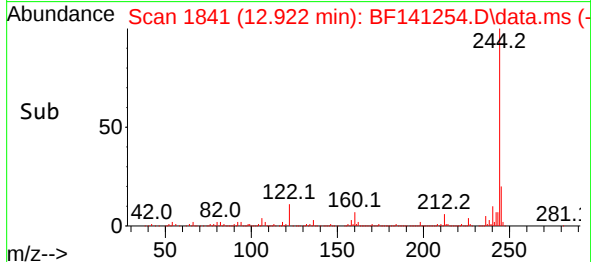
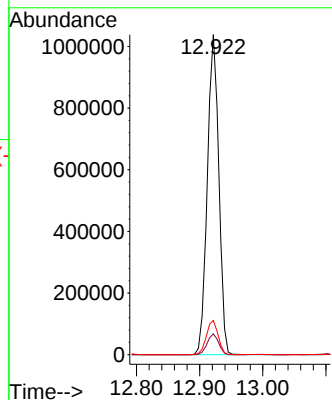
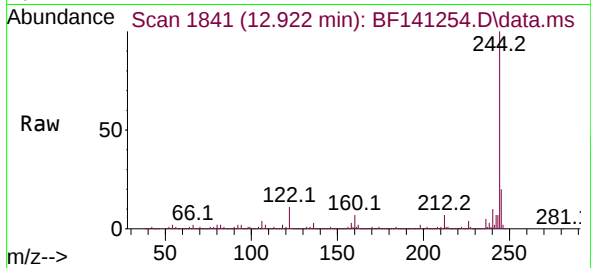




#79
 Terphenyl-d14
 Concen: 68.106 ng
 RT: 12.922 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF141254.D
 Acq: 23 Jan 2025 17:07

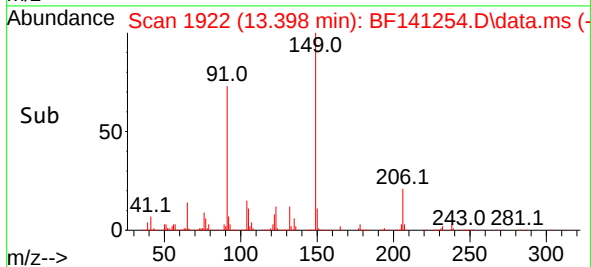
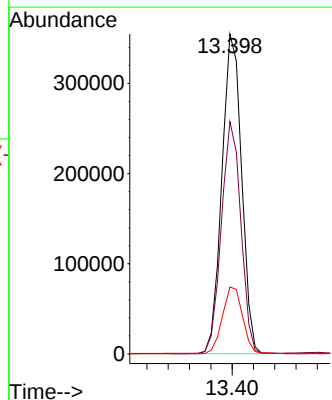
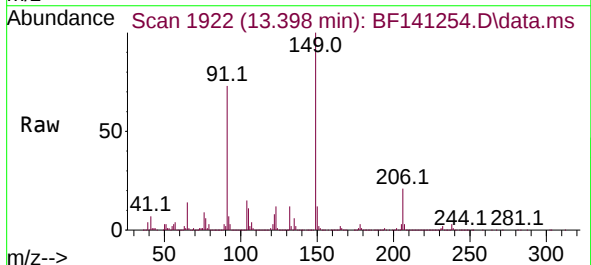
Instrument :
 BNA_F
 ClientSampleId :
 281MSD

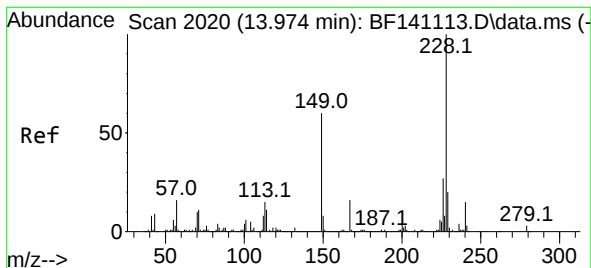
Tgt Ion:244 Resp: 1308959
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.2
 122 10.7 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 49.804 ng
 RT: 13.398 min Scan# 1922
 Delta R.T. -0.012 min
 Lab File: BF141254.D
 Acq: 23 Jan 2025 17:07

Tgt Ion:149 Resp: 453054
 Ion Ratio Lower Upper
 149 100
 91 72.6 59.0 88.6
 206 20.9 16.5 24.7





#81

Benzo(a)anthracene

Concen: 71.179 ng

RT: 13.974 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Instrument :

BNA_F

ClientSampleId :

281MSD

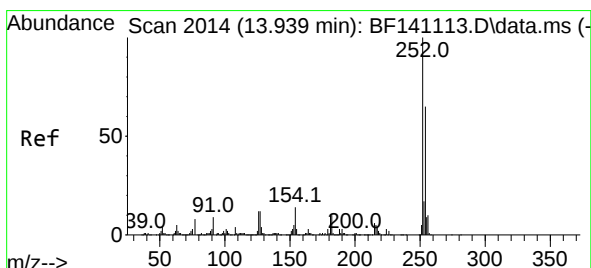
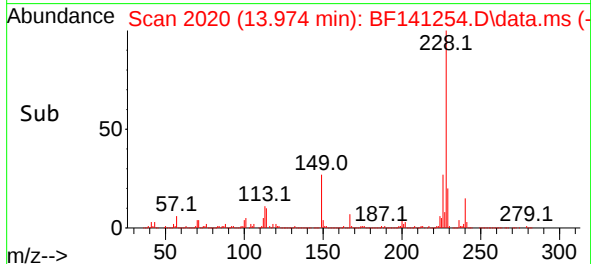
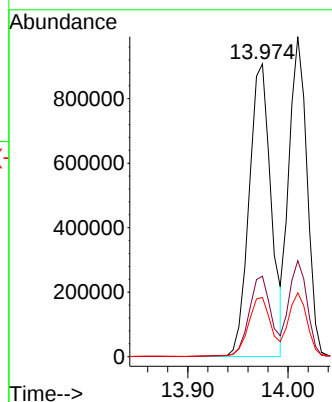
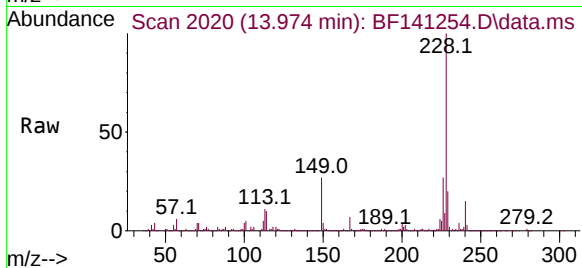
Tgt Ion:228 Resp: 1383772

Ion Ratio Lower Upper

228 100

226 27.5 21.7 32.5

229 20.2 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 37.947 ng

RT: 13.933 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

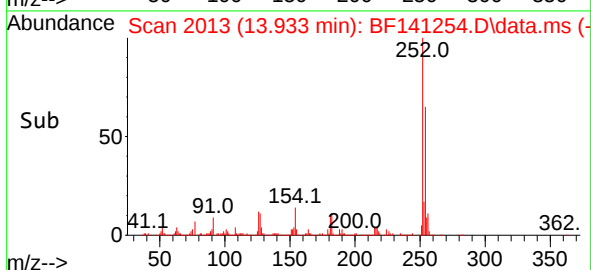
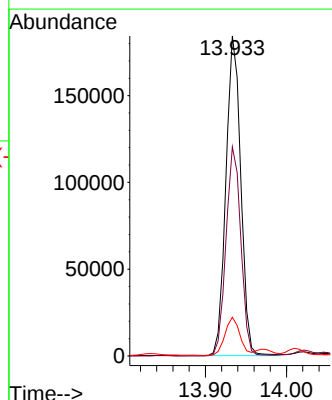
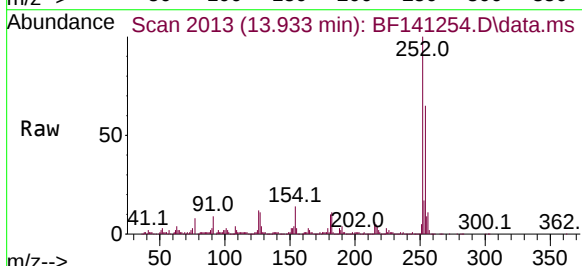
Tgt Ion:252 Resp: 234906

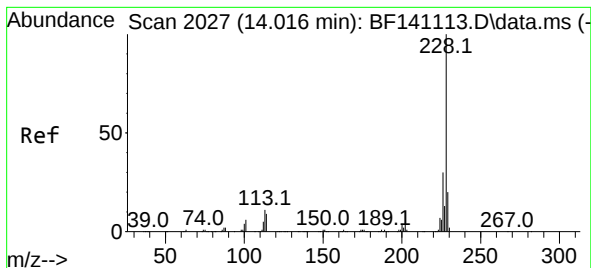
Ion Ratio Lower Upper

252 100

254 65.4 52.0 78.0

126 12.1 9.4 14.0





#83

Chrysene

Concen: 68.041 ng

RT: 14.010 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Instrument :

BNA_F

ClientSampleId :

281MSD

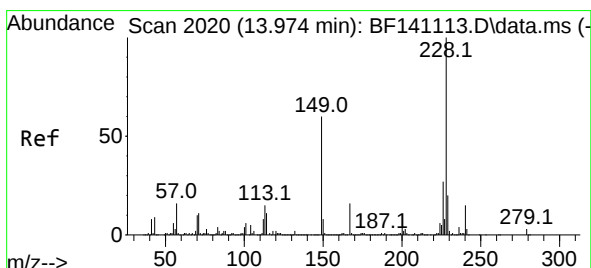
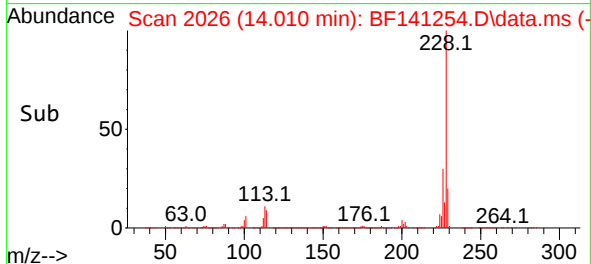
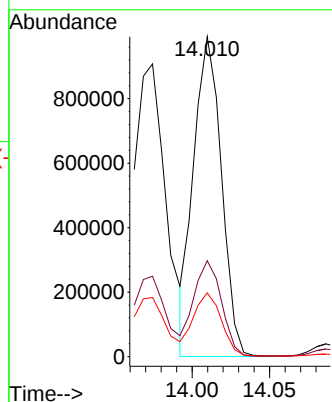
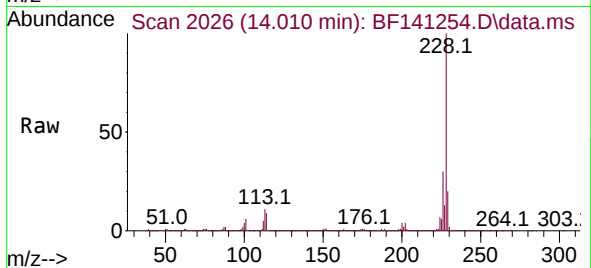
Tgt Ion:228 Resp: 1237704

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

229 20.0 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.987 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

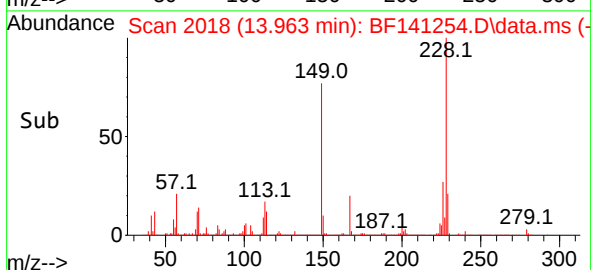
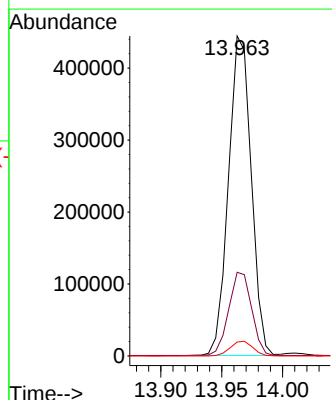
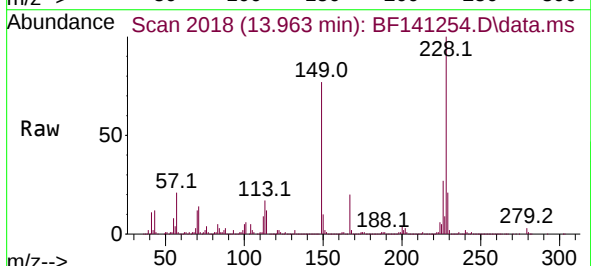
Tgt Ion:149 Resp: 578338

Ion Ratio Lower Upper

149 100

167 26.1 21.4 32.2

279 4.3 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 64.102 ng

RT: 14.592 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Instrument :

BNA_F

ClientSampleId :

281MSD

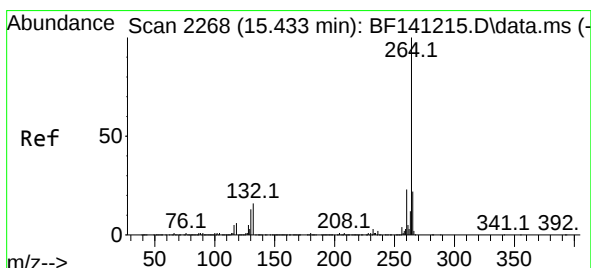
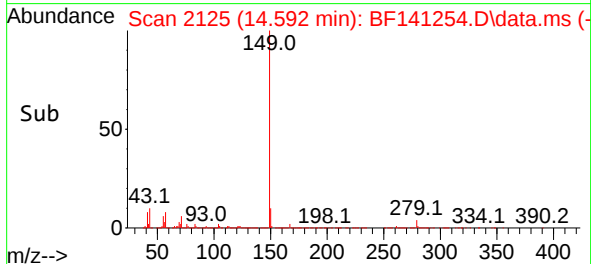
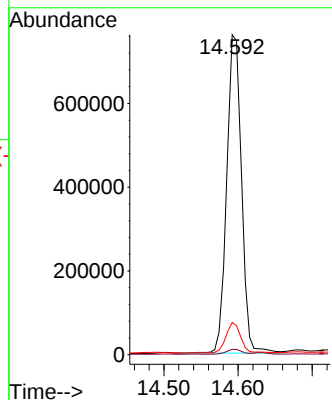
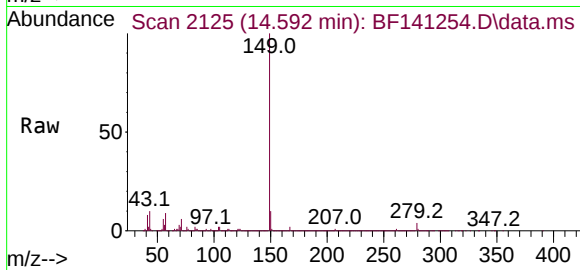
Tgt Ion:149 Resp: 1056543

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.6 8.4 12.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2271

Delta R.T. 0.012 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

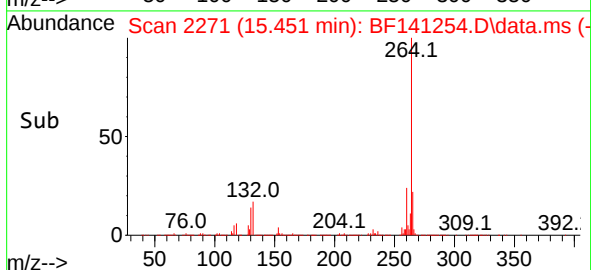
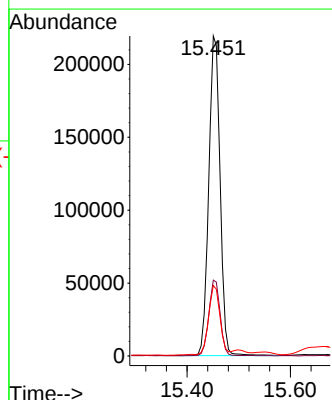
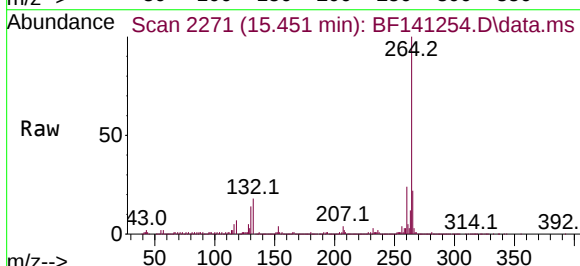
Tgt Ion:264 Resp: 333910

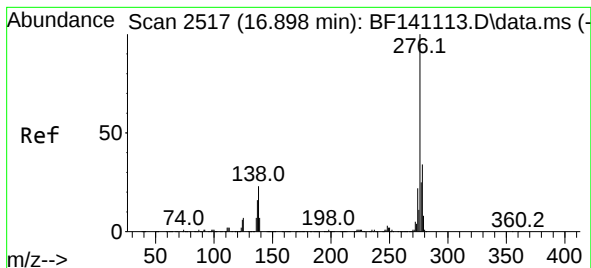
Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 22.0 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.690 ng

RT: 16.910 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Instrument :

BNA_F

ClientSampleId :

281MSD

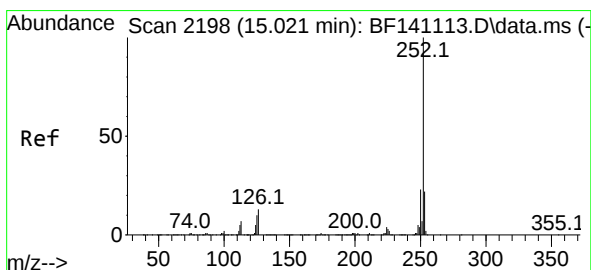
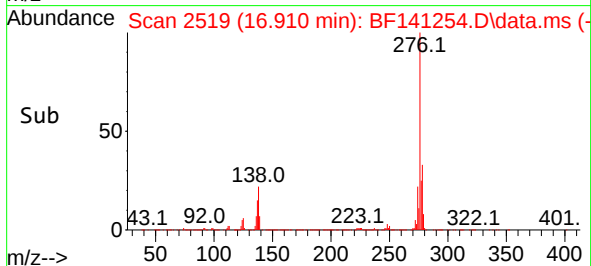
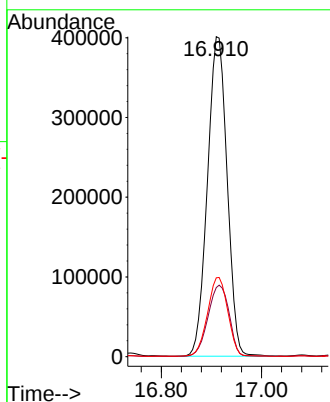
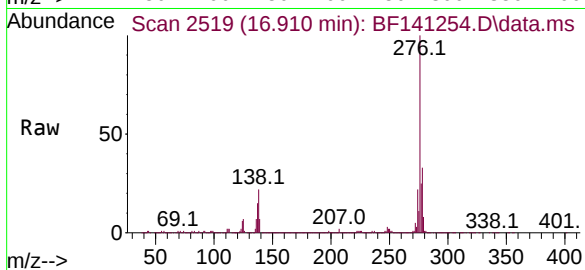
Tgt Ion:276 Resp: 1093250

Ion Ratio Lower Upper

276 100

138 24.0 20.7 31.1

277 25.4 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 59.517 ng

RT: 15.033 min Scan# 2200

Delta R.T. 0.012 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

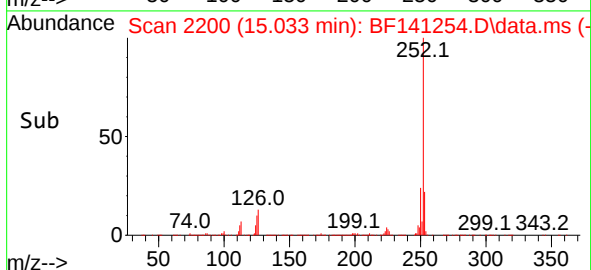
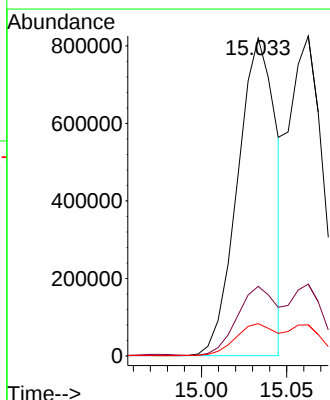
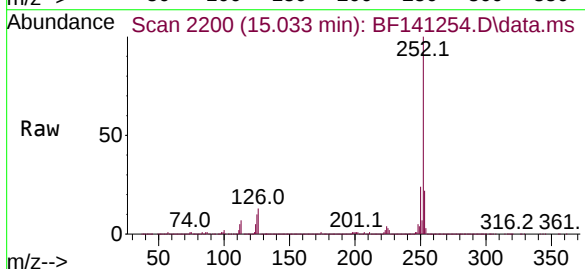
Tgt Ion:252 Resp: 1281495

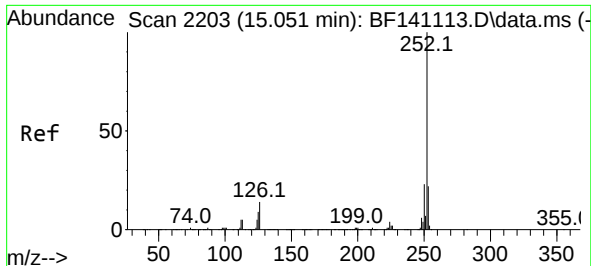
Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 10.2 8.1 12.1

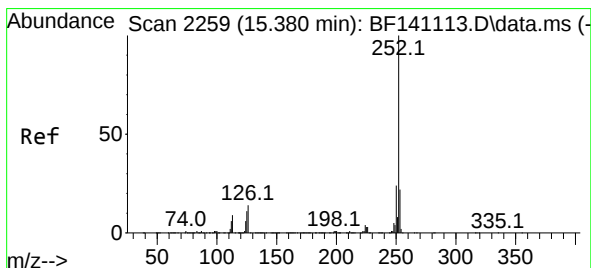
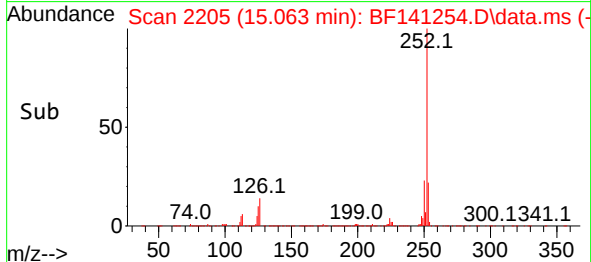
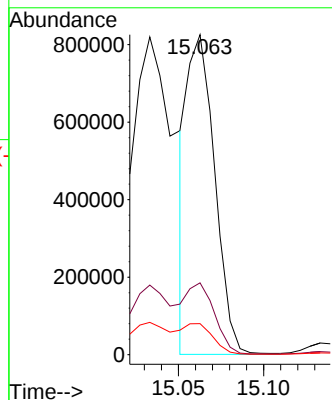
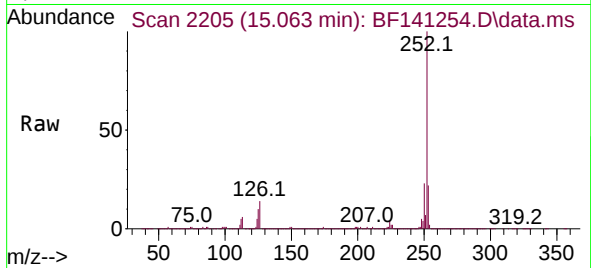




#89
Benzo(k)fluoranthene
Concen: 50.885 ng
RT: 15.063 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

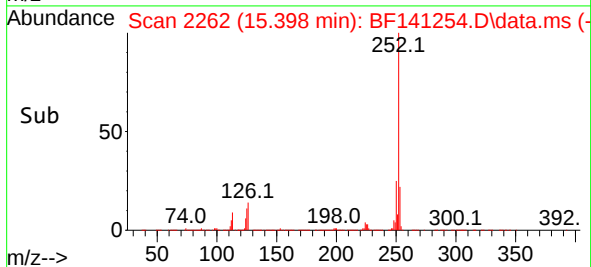
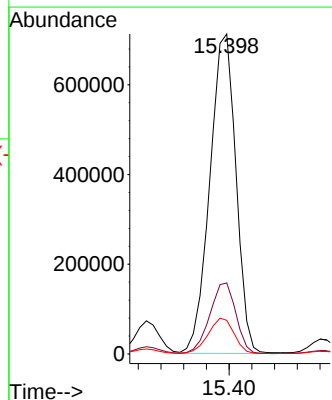
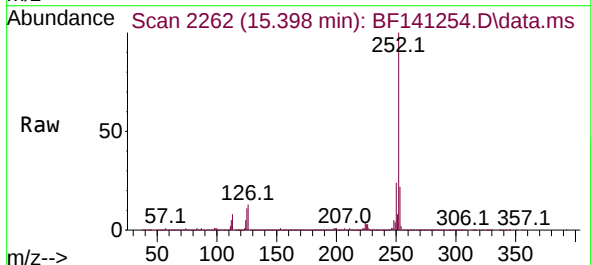
Instrument :
BNA_F
ClientSampleId :
281MSD

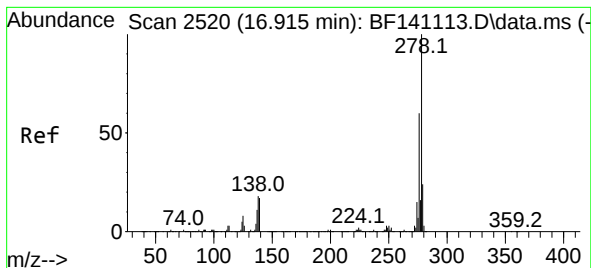
Tgt Ion:252 Resp: 925905
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 9.7 7.9 11.9



#90
Benzo(a)pyrene
Concen: 64.100 ng
RT: 15.398 min Scan# 2262
Delta R.T. 0.018 min
Lab File: BF141254.D
Acq: 23 Jan 2025 17:07

Tgt Ion:252 Resp: 1138724
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 10.5 9.1 13.7





#91

Dibenzo(a,h)anthracene

Concen: 43.919 ng

RT: 16.933 min Scan# 2520

Delta R.T. 0.018 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Instrument :

BNA_F

ClientSampleId :

281MSD

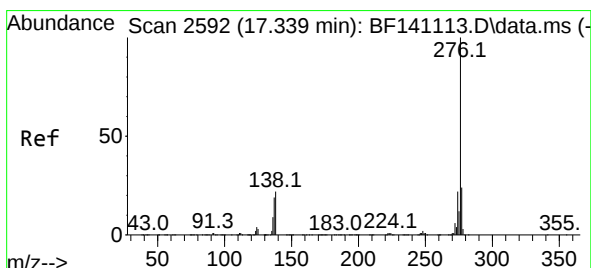
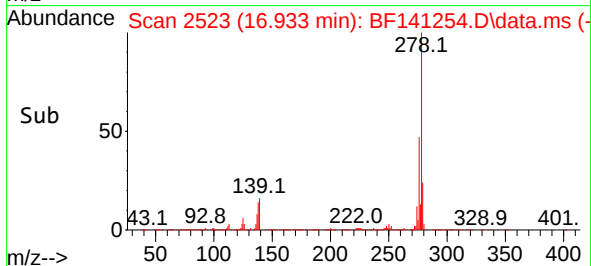
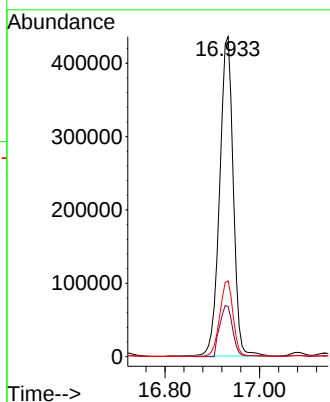
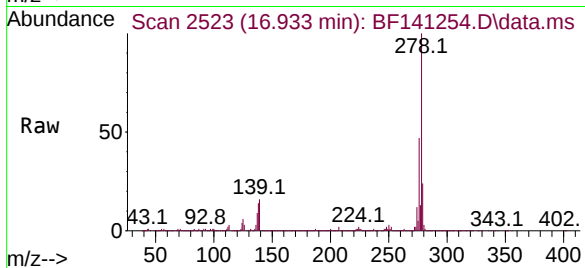
Tgt Ion:278 Resp: 868982

Ion Ratio Lower Upper

278 100

139 15.6 13.8 20.6

279 23.7 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 37.678 ng

RT: 17.351 min Scan# 2594

Delta R.T. 0.012 min

Lab File: BF141254.D

Acq: 23 Jan 2025 17:07

Tgt Ion:276 Resp: 775437

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.4

138 20.7 17.4 26.2

